

```

//1. Zadatak
#include <iostream.h>
class pod
{
    double x;
public:
    void piseX();
    void inic(double a);
};
void pod::piseX() { cout<<"Podatak je "<<x; }
void pod::inic(double a) { x=a; }
void main()
{
    pod P;
    P.inic(10);
    P.piseX();
    getchar();
}

```

```

//2. Zadatak
#include <iostream.h>
#include <math.h>
class pod
{
    double x;
public:
    void koren();
    void inic(double a);
};
void pod::koren()
{
    cout<<"Koren od "<<x<<" je "<<sqrt(x);
}
void pod::inic(double a) { x=a; }
void main()
{
    pod P;
    P.inic(100);
    P.koren();
    getchar();
}

```

```

//3. Zadatak
#include <iostream.h>
class podatak
{
    double x,y;
public:
    void srednjaVre();
    void inic(double a, double b);
};
void podatak::srednjaVre()
{
    cout<<"Srednja vrednost je: "<<
(x+y)/2<<endl;
}
void podatak::inic(double a, double b)
{
    x=a; y=b;
}

```

```

void main()
{
    podatak P;
    P.inic(10,5);
    P.srednjaVre();
    getchar();
}

```

```

//4. Zadatak
#include <iostream.h>
class znak
{
    char x;
public:
    void pise();
    void inic(char c);
};
void znak::pise() { cout<<"Podatak je : "<< x<<endl; }
void znak::inic( char c) { x=c; }
void main()
{
    znak P1,P2;
    P1.inic('D');
    P2.inic('H');
    P1.pise();
    P2.pise();
    getchar();
}

```

```

//5. Zadatak
#include <iostream.h>
class tacka
{
    int x,y;
public:
    void piseX();
    void piseY();
    void inic(int a, int b);
};
void tacka::piseX()
{ cout<<"Podatak je : "<< x<<endl; }
void tacka::piseY()
{ cout<<"Podatak je : "<< y<<endl; }
void tacka::inic(int a, int b) { x=a; y=b;}
void main()
{
    tacka T;
    T.inic(3,5);
    T.piseX();
    T.piseY();
    getchar();
}

```

//6. Zadatak

```
#include <iostream.h>
class slozPodaci
{
    int x;
    double y;
    char z;
public:
    void pisePod();
    void inic(int a, double b, char z);
};
void slozPodaci::pisePod()
{
    cout<<"Podaci su "<<x<<" "<<y<<"
"<<z<<endl;
}
void slozPodaci::inic(int a, double b, char c)
{
    x=a; y=b; z=c;
}

void main()
{
    slozPodaci P;
    P.inic(10,23.56,'f');
    P.pisePod();
    getchar();
}
```

//7. Zadatak

```
#include <iostream.h>
class pod
{
    double x;
public:
    void piseX();
    void inic(double a);
    void unos();
};
void pod::piseX() { cout<<"Podatak je "<<x<<endl; }
void pod::inic(double a) { x=a; }
void pod::unos() { cin>>x; }

void main()
{
    pod P;
    P.inic(10);
    P.piseX();
    P.unos();
    P.piseX();
    getchar();
}
```

//8. Zadatak

```
#include <iostream.h>
```

```
#include <math.h>
```

```
class pod
```

```
{
    double x;
public:
    void koren();
```

```
void inic(double a);
```

```
void unos();
```

```
};
```

```
void pod::koren()
```

```
{
```

```
    cout<<"4. koren ("<<x<<")="<<sqrt(sqrt(x));
```

```
}
```

```
void pod::inic(double a) { x=a; }
```

```
void pod::unos() { cin>>x; }
```

```
void main()
```

```
{
```

```
    pod P;
```

```
    P.inic(100);
```

```
    P.koren();
```

```
    P.unos();
```

```
    P.koren();
```

```
    getchar();
```

```
}
```

//9. Zadatak

```
#include <iostream.h>
```

```
#include <math.h>
```

```
class podatak
```

```
{
```

```
    double x,y;
```

```
public:
```

```
    void rastojanje();
```

```
    void inic(double a, double b);
```

```
    void podatak::unos() { cin>>x>>y; }
```

```
};
```

```
void podatak::rastojanje()
```

```
{
```

```
    cout<<"Rastojanje od (0.0) je: "<<
sqrt(x*x+y*y)<<endl;
```

```
}
```

```
void podatak::inic(double a, double b)
```

```
{
```

```
    x=a; y=b;
```

```
}
```

```
void main()
```

```
{
```

```
    podatak P;
```

```
    P.inic(10,5);
```

```
    P.rastojanje();
```

```
    P.unos();
```

```
    P.rastojanje();
```

```
    getchar();
```

```
}
```

//10. Zadatak

```
#include <iostream.h>
```

```
class znak
```

```
{
```

```
    char x;
```

```
public:
```

```
    void pise();
```

```
    void inic(char c);
```

```
    void unos();
```

```
};
```

```
void znak::pise() { cout<<"Podatak je : "<< x<<endl; }
```

```
void znak::inic( char c) { x=c; }
```

```

void znak::unos() { cin>>x; }
void main()
{
    znak P1,P2;
    P1.inic('D');
    P2.inic('H');
    P1.pise();
    P2.pise();
    P1.unos();
    P2.unos();
    P1.pise();
    P2.pise();
    getchar();
}

```

//11. Zadatak

```
#include <iostream.h>
```

```
class tacka
```

```

{
    int x,y;
public:
    void piseX();
    void piseY();
    void unosX();
    void unosY();
};
void tacka::piseX()
{ cout<<"Podatak je : "<<x<<endl; }
void tacka::piseY()
{ cout<<"Podatak je : "<<y<<endl; }
void tacka::unosX(){ cin>>x; }
void tacka::unosY(){ cin>>y; }
void main()
{
    tacka T;
    T.unosX();
    T.unosY();
    T.piseX();
    T.piseY();
    getchar();
}

```

//12. Zadatak

```
#include <iostream.h>
```

```
class slozPodaci
```

```

{
    int x;
    double y;
    char z;
    int A[5];
public:
    void pisePod();
    void inic(int a, double b, char z);
};
void slozPodaci::pisePod()
{
    cout<<"Podaci su "<<x<<" "<<y<<"
"<<z<<endl;
    for (int i=0;i<5;i++) cout<<A[i];
}
void slozPodaci::inic(int a, double b, char c)

```

```

{
    x=a; y=b; z=c;
    A[0]=1; A[1]=0; A[2]=2; A[3]=0; A[4]=3;
}

```

```
void main()
```

```

{
    slozPodaci P;
    P.inic(10,23.56,'f');
    P.pisePod();
    getchar();
}

```

//13. Zadatak

```
#include <iostream.h>
```

```
#include <math.h>
```

```
class pod
```

```

{
    double x;
public:
    double vracaX() { return x; }
    void inic(double a) { x=a; }
    double koren();
};
double pod::koren() { return sqrt(x); }
double kvadrat(double k) { return k*k; }
void main()
{
    pod P;
    double k,kv;
    P.inic(100);
    k=P.koren();
    kv=kvadrat(P.koren());
    cout<<"Koren="<<k<<endl;
    cout<<"Kvadrat="<<kv<<endl;
    getchar();
}

```

//14. Zadatak

```
#include <iostream.h>
```

```
class tacka
```

```

{
    double x,y;
public:
    double vracaX() { return x; }
    double vracaY() { return y; }
    void inic(double a, double b);
};
void tacka::inic(double a, double b) { x=a; y=b;}
double srednjaVre(double a, double b)
{
    return (a+b)/2 ;
}
void main()
{
    tacka T; double s;
    T.inic(3,5);
    s=srednjaVre( T.vracaX(), T.vracaY() );
    cout<<"Srednja vrednost="<<s<<endl;
    getchar();
}

```

//15. Zadatak

#include <iostream.h>

#include <math.h>

class tacka

```
{
    double x,y;
public:
    double vracaX() { return x; }
    double vracaY() { return y; }
    void unos();
};
void tacka::unos() { cin>>x>>y;}
double rastojanje(double a, double b)
{
    return sqrt(a*a+b*b);
}
void main()
{
    tacka T;
    double r,a,b;
    T.unos();
    a=T.vracaX();
    b=T.vracaY();
    r=rastojanje(a,b);
    cout<<"Rastojanje="<<r<<endl;
    getchar();
}
```

//Задатак 16

#include<iostream.h>

class pod1

```
{
    double x;
public:
    void inic1(double a);
    double vracaX(){return x;}
};
```

class pod2

```
{
    double y;
public:
    void pise2();
    void inic2(double a);
};
```

void pod2::pise2()

```
{
    cout<< y<<endl;
}
```

void pod1::inic1(double a)

```
{
    x=a;
}
```

void pod2::inic2(double a)

```
{
    y=a;
}
```

void main()

```
{
    pod1 A;
```

```
    pod2 B;
    A.inic1(10);
    B.inic2(12);
    B.pise2();
    B.inic2(A.vracaX());
    B.pise2();
}
```

//зadatak 17

#include<iostream.h>

class pod1

```
{
    double x;
public:
    double vracaX();
    void unosX();
};
```

class pod2

```
{
    double y;
public:
    double vracaY();
    void unosY();
};
```

void srVrednost(double c,double d)

```
{
    cout<<"Srednja vrednost je: "<<
(c+d)/2<<endl;
}
```

double pod1::vracaX()

```
{
    return x;
}
```

double pod2::vracaY()

```
{
    return y;
}
```

void pod1::unosX()

```
{
    cin>>x;
}
```

void pod2::unosY()

```
{
    cin>>y;
}
```

void main()

```
{
    pod1 P1;
    pod2 P2;
    P1.unosX();
    P2.unosY();
    srVrednost(P1.vracaX(),P2.vracaY());
}
```

//zadatak 18

#include<iostream.h>

class tacka

```
{
    double x;
public:
```

```

        double vracaX();
        void unosX();
};
void tacka::unosX()
{
    cin>>x;
}
void srVre(tacka T1, tacka T2)
{
    cout<<"Rastojanje je "<<(T1.vracaX() +
T2.vracaX())/2;
}
double tacka::vracaX()
{

    return x;
}

void main()
{
    tacka Tx1,Tx2;
    Tx1.unosX();
    Tx2.unosX();
    srVre(Tx1,Tx2);
}
// zadatak 19

#include<iostream.h>
#include<math.h>
class pod1
{
    int x;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x;
    }
    double vracaX();
};
class pod2
{
    pod1 t1,t2;
public:

    void ispis()
    {
        cout<<t1.vracaX()<<endl;
        cout<<t2.vracaX()<<endl;
    }
    void unosSvih()
    {
        t1.unos();
        t2.unos();
    }
};
double pod1::vracaX()
{
    return x;
}

```

```

    }

void main()
{
    pod2 p;
    p.unosSvih();
    p.ispis();
}
// zadatak 20

#include<iostream.h>
#include<math.h>
class tacka
{
    int x,y;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x>>y;
    }
    double vracaX();
    double vracaY();
};
class cetverougao
{
    tacka t1,t2,t3,t4;
public:

    void Smijesta(tacka a,tacka b,tacka c, tacka d)
    {
        t1=a;t2=b;t3=c;t4=d;
    }
    void ispis()
    {
        cout<<t1.vracaX()<<t1.vracaY()<<endl;
        cout<<t2.vracaX()<<t2.vracaY()<<endl;
        cout<<t3.vracaX()<<t3.vracaY()<<endl;
        cout<<t4.vracaX()<<t4.vracaY()<<endl;
    }
};
double tacka::vracaX()
{
    return x;
}
double tacka::vracaY()
{
    return y;
}
void main()
{
    tacka T1,T2,T3,T4;
    cetverougao p;
    T1.unos();
    T2.unos();
    T3.unos();
    T4.unos();
    p.Smijesta(T1, T2, T3, T4);
    p.ispis();
}

```

```

}
//зadatak 21

#include<iostream.h>
#include<math.h>
class tacka
{
    int x,y;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x>>y;
    }
    double vracaX();
    double vracaY();
};
class cetverougao
{
    tacka t1,t2,t3,t4;
public:
    void ispis()
    {
        cout<<t1.vracaX()<<t1.vracaY()<<endl;
        cout<<t2.vracaX()<<t2.vracaY()<<endl;
        cout<<t3.vracaX()<<t3.vracaY()<<endl;
        cout<<t4.vracaX()<<t4.vracaY()<<endl;
    }
    void unosSvih()
    {
        t1.unos();
        t2.unos();
        t3.unos();
        t4.unos();
    }
};
double tacka::vracaX()
{
    return x;
}
double tacka::vracaY()
{
    return y;
}

void main()
{
    cetverougao p;
    p.unosSvih();
    p.ispis();
}

```

```

// zadatak 22
#include<iostream.h>
#include<math.h>
class pod1
{
    int x;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x;
    }
    double vracaX();
};
class pod2
{
    pod1 t1,t2;
public:
    void ispis()
    {
        cout<<t1.vracaX()<<endl;
        cout<<t2.vracaX()<<endl;
    }
    void unosSvih()
    {
        t1.unos();
        t2.unos();
    }
    pod1 vracat1()
    {
        return t1;
    }
    pod1 vracat2()
    {
        return t2;
    }
};
double pod1::vracaX()
{
    return x;
}

void srednjaVre(pod2 p)
{
    double s;
    s=(p.vracat1().vracaX()
+p.vracat2().vracaX())/2;
    cout<<s;
}
void main()
{
    pod2 p;
    p.unosSvih();
    p.ispis();
    srednjaVre(p);
}

```

//задача 23

```

#include<iostream.h>
#include<math.h>
class tacka
{
    double x,y;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x>>y;
    }
    double vracaX();
    double vracaY();
};
class pod
{
    tacka t1,t2;
public:
    void unosSvih()
    {
        t1.unos();
        t2.unos();
    }
    tacka vracat1()
    {
        return t1;
    }
    tacka vracat2()
    {
        return t2;
    }
};
double tacka::vracaX()
{
    return x;
}
double tacka::vracaY()
{
    return y;
}
void srednjaVre(pod p)
{
    double Xs,Ys;
    Xs=(p.vracat1().vracaX()
+p.vracat2().vracaX())/2;
    Ys=(p.vracat1().vracaY()
+p.vracat2().vracaY())/2;
    cout<<Xs<<Ys;
}
void main()
{
    pod p;
    p.unosSvih();
    srednjaVre(p);
}

```

//задача 24

```

#include<iostream.h>

```

```

#include<math.h>
class tacka
{
    int x,y;
public:
    void unos()
    {
        cout<<"Unesi koord. tacaka\n";
        cin>>x>>y;
    }
    double vracaX();
    double vracaY();
};
class cetverougao
{
    tacka t1,t2,t3,t4;
public:
    void Smijesta(tacka a,tacka b,tacka c, tacka d)
    {
        t1=a;t2=b;t3=c;t4=d;
    }
    double rast(tacka tx, tacka ty)
    {
        return sqrt(pow(tx.vracaX()-
ty.vracaX(),2)+pow(tx.vracaY()-ty.vracaY(),2));
    }
    void obim()
    {
        double o;
        o= rast(t1,t2)+rast(t2,t3)+rast(t3,t4)+rast(t4,t1);
        cout<<"Obim je "<<o<<endl;
    }
};
double tacka::vracaX()
{
    return x;
}
double tacka::vracaY()
{
    return y;
}

void main()
{
    tacka t1,t2,t3,t4;
    cetverougao p;
    t1.unos();
    t2.unos();
    t3.unos();
    t4.unos();
    p.Smijesta(t1,t2,t3,t4);
    p.obim();
}

```