Program1

```
class Prog01
{
	public static void main(String args[])
	{
		System.out.println("Kirti College");
	}
}
```

Program2

```
class Prog02
{
	public static void main(String args[])
	{
		int n,s,c;
		n=Integer.parseInt(args[0]);
		s=n*n;
		c=n*n*n;
		System.out.println("Square of" +n+ "is=" +s);
		System.out.println("cube of" +n+ "is=" +c);
	}
}
```

Program3

```
class Prog03
{
	public static void main (String args[])
	{
	double n,a;
	n=Double.parseDouble(args[0]);
	a=3.14*n;
	System.out.println("area of circle with radius" +n+ " is " +a);
	}
}
```

Program4

```
class Prog04
{
	public static void main (String args[])
	{
		double a,b,c,average;
		a=Double.parseDouble(args[0]);
		b=Double.parseDouble(args[1]);
		c=Double.parseDouble(args[2]);
		average=(a+b+c)/3;
```

```
            System.out.println("average=" +average);
        }
}
```

Program5

```
class Prog05
{
        public static void main (String args[])
        {
            double n,h,m;
            n=Double.parseDouble(args[0]);
            h=n/60;
            m=n%60;
            System.out.println(h+ "hours" +m+ "minutes");
        }
}
```

Program6

```
class Prog06
{
        public static void main (String args[])
        {
            double a,b,add,sub,multi,div;
            a=Double.parseDouble(args[0]);
            b=Double.parseDouble(args[1]);

            add= a+b;
            sub= a-b;
            multi= a*b;
            div= a/b;

            System.out.println("addition=" +add);
            System.out.println("Sub=" +sub);
            System.out.println("Multin=" +multi);
            System.out.println("Div=" +div);
        }
}
```

Program7

```
class Prog07
{
        public static void main(String args[])
        {
        double n;
        n=Double.parseDouble(args[0]);
```

```
        if(n%2==0)
        {
        System.out.println("the number is even");
        }
        else
        {
                System.out.println("The number is odd");
        }
        }
}
```

Program8

```
class Prog08
{
public static void main (String args[])
{
double n;
n=Double.parseDouble(args[0]);
if (n%5==0)
{
System.out.println("the number"+n+" multiple by 5");
}
else
{
System.out.println("the number "+n+" not multiple of 5");
}
}
}
```

Program9

```
class Prog09
{
public static void main(String args[])
{
double a,b;
a=Double.parseDouble(args[0]);
b=Double.parseDouble(args[1]);
if (a>b)
{
System.out.println("The"+a"is greater than "+b);
}
else
{
System.out.println("the"+b"is greater than"+a);
}
```

```
}
}
```

Program10

```
class Prog10
{
public static void main(String args[])
{
double m;
m=Double.parseDouble(args[0]);
if (m>=75)
{
System.out.println("you got O grade");
}
else if(m<=74 && m>=60)
{
System.out.println("you got a grade");
}
else if(m<=59 && m>=50)
{
System.out.println("you got b grade");
}
else if(m<=49 && m>=40)
{
System.out.println("C grade");
}
}
}
```

Program11

```
class Prog11
{
public static void main(String args[])
{
double a,b,c;
a=Double.parseDouble(args[0]);
b=Double.parseDouble(args[1]);
c=Double.parseDouble(args[2]);
if (a>b && a>c)
{
System.out.print("a is greater");
}
else
if(b>a && b>c)
{
System.out.print("b is greater");
```

```
}
else
if(c>a && c>b)
{
System.out.print("c is greater");
}
}
}
```

Program12

```
class Prog12
{
public static void main(String args[])
{
int a;
a=Integer.parseInt(args[0]);
if(a==1)
{
System.out.println("Monday");
}
else
if(a==2)
{
System.out.println("Tuesday");
}
else
if(a==3)
{
System.out.println("Wednesday");
}
else
if(a==4)
{
System.out.println("thursday");
}
else
if(a==5)
{
System.out.println("Friday");
}
else
if(a==6)
{
System.out.println("saturday");
}
```

```
else
if(a==7)
{
System.out.println("Sunday");
}
}
}
```

Program13

```
class Prog13
{
public static void main(String args[])
{
double n,i,sum;
sum=0;
n=Double.parseDouble(args[0]);
i=1;
while(i<=n)
{
sum=sum+i;
i=i+1;
}
System.out.println("summation is" +sum);
}
}
```

Program14

```
class Prog14
{
public static void main(String args[])
{
double n,i,div,add;
add=1;
n=Double.parseDouble(args[0]);
i=1;
while(i<=n)
{
div=1/i;
add=add+div;
i++;
}
System.out.println("add is" +add);
}
}
```

Program15

```
class Prog15
{
public static void main(String args[])
{
double i,fact,n;
n=Double.parseDouble(args[0]);
i=1;
fact=1;
do
{
fact=fact*i;
i++;
}
while(i<=n);
System.out.println("fact is" +n+ "is" +fact);
}
}
```

Program16

```
class Prog16
{
public static void main(String args[])
{
double m,n,i;
m=Double.parseDouble(args[0]);
n=Double.parseDouble(args[1]);
i=m;
do
{
if(i%7==0)
{
System.out.println(+i);
}
i++;
}
while(i<=n);
}
}
```

Program17

```
class Prog17
{
public static void main(String args[])
```

```
{
int n,i,m;
n=Integer.parseInt(args[0]);
for(i=1;i<=10;i++)
{
m=i*n;
System.out.println(n +”x”+ i + “=”+ m);
}
}
}
```

Program18

```
class Prog18
{
public static void main(String args[])
{
int n,i,sum=0,rem=0;
n=Integer.parseInt(args[0]);
for(i=1;i<=5;i++)
{
rem=n%10;
sum=sum+rem;
n=n/10;
}
System.out.println("sum of 5 digit no is" +sum);
}
}
```

Program19

```
class Prog19
{
public static void main(String args[])
{
int i,j;
for(i=11;i<=20;i++)
{
for(j=1;j<=10;j++)
{
System.out.println("" +(i*j));
}
}
}
}
```

Program20

```
class Prog20
{
public static void main(String args[])
{
double n,i,j,div,add,fact;
add=0;
fact=0;
n=Double.parseDouble(args[0]);
for(i=1;i<n;i++)
{
fact=1;
for(j=1;j<=i;j++)
{
fact=fact*j;
}
div=1/fact;
add=add+div;
}
System.out.println("series is" +add);
}
}
```

Program 21

```
class prog21
{
public static void main(String args[])
{
int n;
n=Integer.parseInt(args[0]);
switch(n)
{
case 1:
System.out.println("mon");
break;

case 2:
System.out.println("theusday");
break;

case 3:
System.out.println("wednesday");
break;

case 4:
```

```
System.out.println("thusday");
break;

case 5:
System.out.println("friday");
break;

case 6:
System.out.println("saturday");
break;

case 7:
System.out.println("sunday");
break;

default:
System.out.println("error massage");
break;
}
}
}
```

Program 22

```
class prog22
{
public static void main(String args[])
{
System.out.println("eneter charecter");
char c=System.console().readLine().charAt(0);
switch(c)
{
case 'V':
System.out.println("voilet");
break;

case 'I':
System.out.println("indigo");
break;

case 'B':
System.out.println("blue");
break;
```

```
case 'G':
System.out.println("green");
break;

case 'Y':
System.out.println("yellow");
break;

case 'O':
System.out.println("orange");
break;


case 'R':
System.out.println("red");
break;

default:
System.out.println("no valid color");
break;
}
}
}
```

Program23

```
class rect35
{
double length,width;
double area()
{
return length*width;
}
}
class prog23
{
public static void main(String args[])
{
rect35 r=new rect35();
r.length=Double.parseDouble(args[0]);
r.width=Double.parseDouble(args[1]);
double ans=r.area();
System.out.println("area of rect ="+ans);
}
}
```

Program24

```
class box35
{
double l,w,b;
box35()
{
this.l=0;
this.w=0;
this.b=0;
}
box35(double ll,double ww,double bb)
{
this.l=ll;
this.w=ww;
this.b=bb;
}
double vol()
{
return l*w*b;
}
}
class prog24
{
public static void main(String args[])
{
box35 b1=new box35();
box35 b2=new box35(10,15,20);
double ans1=b1.vol();
double ans2=b2.vol();
System.out.println("vol1" +ans1);
System.out.println("vol2" +ans2);

}
}
```

Program25

```
class stud35
{
String name,
String cy;
int r;
stud35(String n,String a,int b)
{
this.cy=a;
this.r=b;
```

```
}
void display()
{
System.out.println("current year " +cy+" rollnumber" +r);
}
}
class prog25
{
public static void main(String args[])
{
stud35 b1=new stud35("sy",35);
stud35 b2=new stud35("ty",23);
b1.display();
b2.display();
}
}
```

Program26

```
class Mathoperation
{
  public static float mul(float x,float y)
  {
    return x*y;
   }
  public static float div(float x,float y)
  {
    return x/y;
   }
}

class Prog26
{
  public static void main (String args[])
  {
    float a=Mathoperation.mul(4.3f,5.7f);
    float b=Mathoperation.div(a,2);
    System.out.println(" a= "+a);
    System.out.println(" b= "+b);
   }
 }
```

Program27

```
class nesting
{
 int m,n;
 nesting(int x,int y)
 {
  m=x;
  n=y;
  }
 int largest()
 {
  if (m>n)
   return(m);
  else
   return(n);
  }
 void display()
 {
  int large=largest();
  System.out.println(" Largest Number Is "+large);
  }
 }

class Prog27
{
 public static void main(String args[])
 {
  nesting n=new nesting(70,30);
  n.display();
  }
 }
```

Program 28

```
class TestPerimeter
{ double length,width;
  TestPerimeter()
  {
    this.length=0;
    this.width=0;
   }
  TestPerimeter(double l,double w)
  {
    this.length=l;
    this.width=w;
   }
```

```
  double cal()
  {
    return(2*(length+width));
   }
 }

class Prog28
{
 public static void main(String args[])
 {
  TestPerimeter p1=new TestPerimeter();
  TestPerimeter p2=new TestPerimeter(10.5,7.8);
  double ans1,ans2;
  ans1=p1.cal();
  ans2=p2.cal();
  System.out.println(ans1);
  System.out.println(ans2);
  }
 }
```

Program29

```
class TestOverload
{
 public static void add(int a,int b)
 {
  System.out.println(" Sum is "+(a+b));
  }
 public static void add(int a,int b,int c)
 {
  System.out.println(" Sum is "+(a+b+c));
  }
 public static void add(float x,float y)
 {
  System.out.println(" Sum is "+(x+y));
  }
 public static void add(float x,float y,float z)
 {
  System.out.println(" Sum is "+(x+y+z));
  }
 }

class Prog29
{
 public static void main(String args[])
```

```
{
 TestOverload.add(4,5);
 TestOverload.add(4,5,6);
 TestOverload.add(7.1f,8.1f);
 TestOverload.add(7.1f,8.1f,9.1f);
 }
}
```

Program30

```
abstract class Shape
{
 double len,breadth,radius;
 abstract double area();
 }
class Rect extends Shape
{
 double area()
 {
  return len*breadth;
  }
 }
class Circle extends Shape
{
 double area()
 {
  return 3.142*(radius*radius);
  }
 }
class Prog30
{
 public static void main(String args[])
 {
  Rect r1=new Rect();
  r1.len=79;
  r1.breadth=24;
  double ar,ac;
  ar=r1.area();
  Circle c1=new Circle();
  c1.radius=63;
  ac=c1.area();
  System.out.println(" Area of Rectangle "+ar);
  System.out.println(" Area of Circle "+ac);
  }
 }
```