Exp16

```
class marks
{
public static void main (String aa[])
{
System.out.println("Enter you 5 subject Marks");
int a= Integer.parseInt (aa[0]);
int b= Integer.parseInt (aa[1]);
int c= Integer.parseInt (aa[2]);
int d= Integer.parseInt (aa[3]);
int e= Integer.parseInt (aa[4]);
float avg=(a+b+c+d+e)/5.0f;
System.out.println("Your percentage is: "+avg);
int i=(int) avg/10;
switch (i)
{
case 10:
case 9:
case 8:
System.out.println("You have got 1st division");
break;
case 7:
case 6:
System.out.println("You have got 2nd division");
case 5:
case 4:
System.out.println("You have got 3rd division");
break;
default:
System.out.println("You have failed");
}
}
}
```

Exp20

```
class pera
{
int a,b;
pera(int x,int y)
{
a=x;
b=y;
}
void display()
{
System.out.println("Value of a="+a+"\nValue of
b="+b);
}
public static void main(String aa[])
{
pera pl= new pera(118,180);
pl.display();
}
}
```

Exp21

```
class copy
```

Exp17

```
class triangle
{
public static void main(String aa[])
{
for (int i=1;i<5;i++)
{
for (int j=1;j<=i;j++)
{
System.out.print(i);
}
System.out.print("\n");
}
}
}
```

Exp18

```
class power
{
public static void main (String ab[])
{
int i=1,n;
for(i=1;i<=10;i++)
{
n=(2<<i-1);
System.out.println(+i+" power of 2 ="+n);
}
}
}
```

Exp19

```
class defu
{
int a,b;
defu()
{
a=30;
b=60;
}
void display()
{
System.out.println("Value of a="+a+"\nValue of
b="+b);
}
public static void main(String aa[])
{
defu d1= new defu();
d1.display();
}
}
```

Exp22

```
class over
{
int a,b;
over()
{
a=26;
```

```
{
String a,b;
copy()
{
a="Amit";
b="Sharma";
}
copy (copy c)
{
a=c.a;
b=c.b;
}
void display()
{
System.out.println("Value is = "+a+" "+b);
}
public static void main(String aa[])
{
copy c1= new copy();
copy c2= new copy(c1);
c1.display();
c2.display();
}
}
```

Exp23

```
class base
{
int a,b;
void disp()
{
System.out.println("The Value of a="+a+"\n The
Value of b="+b);
}
}
class child extends base
{
int c=a+b;
void disp()
{
System.out.println("The Value of c="+c);
}
}
class test
{
public static void main(String aa[])
{
base b=new base();
child c=new child();
b.a=11;
b.b=10;
c.disp();
}
}
```

Exp25

```
class final_var
b=48;
}
over(int x)
{
a=a+x;
b=b-x;
}
over(int x,int y)
{
a=x+y;
b=x*y;
}
void disp()
{
System.out.println("The Value of a="+a+"\nThe
Value of b="+b);
}
public static void main(String aa[])
{
over o1,o2,o3;
o1=new over();
o1.disp();
o2=new over(10);
o2.disp();
o3=new over(25,5);
o3.disp();
}
}
```

Exp24

```
class base
{
int a,b;
final void disp()
{
System.out.println("The Value of a="+a+"\nThe
Value of b="+b);
}
}
class child extends base
{
int c=a+b;
//void disp()
{
System.out.println("The Value of c="+c);
}
}
class fin
{
public static void main(String aa[])
{
base b=new base();
child c=new child();
b.a=20;
b.b=30;
b.disp();
```

```
{
public static void main(String aa[])
{
final int age=18;
//age=15;
System.out.println("Enter your age:");
int a=Integer.parseInt(aa[0]);
if (a>=age)
System.out.println("You are eligible for
registration");
else
System.out.println("You are not eligible for
registration");
}
}
```

Exp27

```
final class a
{
a()
{
System.out.println("Prevent Inheritance");
}
}
/*class b extends a
{
b()
{
System.out.println("cannot inherited");
}
}*/
class c
{
public static void main(String aa[])
{
a ob=new a();
}
}
```

Exp28

```
class stat
{
static int a=5;
static int mul(int x,int y)
{
return(x*y);
}
}
class an
{
public static void main(String aa[])
{
int c=stat.mul(2,4);
System.out.println("Value after
multiplication="+c);
}
}
c.disp();
}
}
```

Exp26

```
class overload
{
void func()
{
for(int i=0;i<5;i++)
{
System.out.println("Amit");
}
}
void func(char c)
{
for(int i=0;i<5;i++)
{
System.out.println(c);
}
}
void func(int k,char c)
{
for(int i=0;i<k;i++)
{
System.out.println(c);
}
}
public static void main(String aa[])
{
overload a=new overload();
overload b=new overload();
overload c=new overload();
a.func();
b.func('S');
c.func(3,'I');
}
}
```

Exp29

```
import java.awt.*;
import java.applet.*;
  public class line extends Applet
{
public void paint (Graphics g)
{
g.drawLine(10,100,100,10);
g.drawLine(20,120,120,20);
}
}
/*<Applet code="line" width=300 height=300>
</applet>*/
```

Exp30

```
import java.awt.*;
import java.applet.*;
public class rectangle extends Applet
{
```

Exp31

```
import java.awt.*;
import java.applet.*;
public class roundrect extends Applet
{
public void paint(Graphics g)
{
g.drawRoundRect(10,10,100,80,10,10);
}
}
/*<Applet code="roundrect" width=300
height=300>
</applet>*/
```

Exp33

```
import java.awt.*;
import java.applet.*;
public class circle extends Applet
{
public void paint(Graphics g)
{
g.drawOval(10,10,100,100);

}
}
/*<Applet code="circle" width=300 height=300>
</Applet>*/
```

Exp34

```
import java.awt.*;
import java.applet.*;
public class arc extends Applet
{
public void paint(Graphics g)
{
g.drawArc(40,50,100,200,30,90);
}
}
/*<Applet code="arc.class" width=300
height=300>
</Applet>*/
```

```
public void paint(Graphics g)
{
g.drawRect(10,10,100,80);
g.drawRect(20,20,80,60);
}
}
/*
<Applet code="rectangle" width=300
height=300>
</applet>
*/
```

Exp32

```
import java.awt.*;
import java.applet.*;
public class ellipse extends Applet
{
public void paint(Graphics g)
{
g.drawOval(20,60,100,200);
}
}
/*<Applet code="ellipse" width=300
height=300>
</Applet>*/
```

Exp35

```
import java.awt.*;
import java.applet.*;
public class string extends Applet
{
public void paint(Graphics g)
{
g.drawString("Hello",70,60);
g.drawString("Amit Sharma",50,80);
}
}
/*<Applet code="string" width=300 height=300>
</Applet>*/
```