**1. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** var1=1024;

**int** var2;

System.***out***.println("var1 contains"+ var1);

System.***out***.println("var2 contains var1/2");

System.***out***.println(var2);

var2=var1/2;

}

}

2. **public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**float** a=123.456f;

System.***out***.println(a);

}

}

**3. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** iresult,irem;

**double** dresult,drem;

iresult=10/3;

irem=10%3;

dresult=10/3;

drem=10%3;

System.***out***.println("result and remainderof 10/3:"+iresult+" "+irem);

System.***out***.println("result and remainder of 10/3:"+dresult+" "+drem);

}

}

4. **public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**byte** a=120;

**short** v=12;

**int** d=12;

**long** c=1232;

System.***out***.println(a);

System.***out***.println(v);

System.***out***.println(d);

System.***out***.println(c); \\primitive data type program.

**5. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** var;

**double** x;

var=10;

x=10.0;

System.***out***.println("original value of var:"+var);

System.***out***.println("original value of x:"+x);

System.***out***.println();

var=var/4;

x=x/4;

System.***out***.println("var after division:"+var);

System.***out***.println("x after division:"+x);

}

}

output

original value of var:10

original value of x:10.0

var after division:2

x after division:2.5

**6. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** var1=1026;

**int** var2;

System.***out***.println("var1 contains"+var1);

var2=var1/2;

System.***out***.println("var2 contains var1/2");

System.***out***.println(var2);

}

}

output

var1 contains1026

var2 contains var1/2

513

**7. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** iresult,irem;

**double** dresult,drem;

iresult=12/3;

irem=12%3;

dresult=12.0/3.0;

drem=12.0%3;

System.***out***.println("result and remainder of 12/3:"+iresult+" "+irem);

System.***out***.println("result and remainder of 12.0/3.0:"+dresult+" "+drem);

}

}

result and remainder of 12/3:4 0

result and remainder of 12.0/3.0:4.0 0.0

8. **public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**byte** v=12;

**short** r=130;

**int** t=12;

**long** c=1234;

System.***out***.println(v);

System.***out***.println(r);

System.***out***.println(t);

System.***out***.println(c);

}

}

output

12

130

12

1234

**9. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=90;

**int** y=20;

System.***out***.println(90>20);

}

}

output

true

**10. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=20;

**int** y=30;

System.***out***.println(x>y);

}

}

output

false

**int** a=100;

**int** b=20;

**int** c=30;

**if**(a>b&a>c);

System.***out***.println("a is greater");

}

}

output

a is greater

**11. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**double** i,j,d;

i=5;

j=10;

**if**(i!=0);

System.***out***.println("i does not equal zero");

d=j/i;

System.***out***.println("j/i is"+d);

System.***out***.println();

}

}

output

i does not equal zero

j/i is2.0

**12. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** a=3;

**int** b=4;

**if**(a<b);

{

System.***out***.println("b is greater");

output

b is greater

13.**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=10;

**int** y=20;

**if**(x>y);

{

System.***out***.println("x is greater");

}

**if**(y>x);

{

System.***out***.println("y is greater");

}

}

}conditional logics

**14. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=100;

**switch**(x)

{

**case** 10:

System.***out***.println("x is 10");

**break**;

**case** 20:

System.***out***.println("x is 20");

**break**;

**case** 100:

System.***out***.println("x is 100");

**break**;

**case** 120:

System.***out***.println("x is 120");

**break**;

**default**:

System.***out***.println("none of the input match");

}

**15. public** **class** Basicprogram {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=100;

**if**(x>50);

{

**if**(x>70);

{

System.***out***.println("x is nearing 100");

}

**16. public** **class** HandlingArrays {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** y[]=**new** **int**[5];

y[0]=10;

y[1]=20;

y[2]=30;

y[3]=40;

y[4]=50;

System.***out***.println(y[2]);

System.***out***.println(y.length);

**for**(**int** x=0;x<y.length;x++);

System.***out***.println("y[x]");

}

}

**17.public** **class** HandlingArrays {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x=4;

**int** y[]=**new** **int**[5];

y[0]=10;

y[1]=20;

y[2]=30;

y[3]=40;

y[4]=50;

System.***out***.println(y[2]);

System.***out***.println(y.length);

**for**(**int** x1=0;x1<y.length;x1++);

System.***out***.println(y[x]);

}

}

**18. public** **class** HandlingArrays {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** y[][]=**new** **int**[3][4];

y[0][0]=12;

y[0][1]=14;

y[0][2]=89;

y[0][3]=122;

y[1][0]=788;

y[1][1]=67;

y[1][2]=10;

y[1][3]=122;

y[2][0]=30;

y[2][1]=34;

y[2][2]=16;

y[2][3]=14;

System.***out***.println(y.length);

System.***out***.println(y[0].length);

**for**(**int** row=0;row<y.length;row++)

{

**for**(**int** col=0;col<y[0].length;col++)

{

System.***out***.println(y[row][col]);

}

}

}

}

**19. public** **class** Handlingfunctions {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.***out***.println("its a main function");

*doLogout*();

*doLogin*();

*forgotPassword*();

}

**public** **static** **void** doLogout()

{

System.***out***.println("its a Logout");

}

**public** **static** **void** doLogin()

{

System.***out***.println("its a login");

}

**public** **static** **void** forgotPassword()

{

System.***out***.println("its a forgotPassword");

**20. public** **class** Handlingfunctions {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.***out***.println("its a main function");

*doLogout*();

}

**public** **static** **void** doLogout()

{

*doLogin*();

System.***out***.println("its a Logout");

}

**public** **static** **void** doLogin()

{

System.***out***.println("its a login");

}

**public** **static** **void** forgotPassword()

{

System.***out***.println("its a forgotPassword");

}

}

**21. public** **class** Handlingfunctions {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.***out***.println("its a main function");

*doLogout*(34,89);

*doLogout*(34,890);

*doLogout*(341,89);

}

**public** **static** **void** doLogout(**int** x, **int** y)

{

**int** z=x+y;

System.***out***.println(z);

System.***out***.println("its a Logout");

}

**public** **static** **void** doLogin()

{

System.***out***.println("its a login");

}

**public** **static** **void** forgotPassword()

{

System.***out***.println("its a forgotPassword");//function can call any number of arguments

}

}

**22. public** **class** Handlingfunctions {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

//System.out.println("its a main function");

**int** y =*doLogout*(34,8);

System.***out***.println(y);

}

**public** **static** **int** doLogout(**int** x, **int** y)

{

//String n="selenium";

**int** z=x+y;

//System.out.println(z);

**return** z;

//System.out.println("its a Logout");

}

**public** **static** **void** doLogin()

{

System.***out***.println("its a login");

}

**public** **static** **void** forgotPassword()

{

System.***out***.println("its a forgotPassword");

}

}