***DECISION STATEMENT***

***FOR LOOP:***

**SOURCE CODE:**

package ifelse;

public class Forloop {

public static void main(String[]args)

{

int x;

System.out.println("Multiples of 2:\n");

for (x=0;x<=30;x+=2)

{

System.out.println(x);

}

System.out.println("Example of inner and outer loop");

int n = 5;

//OUTER LOOP

for (int i = n; i >= 1; i--) {

//INNER LOOP

for (int j = 1; j <= i; j++) {

System.out.print("\*");

}

System.out.println();

}

}

}

**OUTPUT:**

Multiples of 2:

0

2

4

6

8

10

12

14

16

18

20

22

24

26

28

30

Example of inner and outer loop

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***IF,IF..ELSE & NESTED IF STATEMENT:***

**SOURCE CODE:**

package ifelse;

public class ifexample {

public static void main(String[]args)

{

//example of if statement

int diameter=1000;

if(diameter>900)

{

System.out.println("This ground is enough to play a cricket");

}

//example of if..else statement

int x=7894561;

if(x%2==0)

{

System.out.println("The given number is even");

}

else

{

System.out.println("The given number is odd");

}

//example of nested if..else statement

int a=59,b=69,c=25,d=399;

if (a>b) {

if (a>c) {

if (a>d) {

System.out.println("a is the largest.");

} else {

System.out.println("d is the largest.");

}

} else {

System.out.println("c is the largest.");

}

} else {

if (b>c) {

if (b>d) {

System.out.println("b is the largest.");

} else {

System.out.println("d is the largest.");

}

} else {

if (c>d) {

System.out.println("c is the largest.");

} else {

System.out.println("d is the largest.");

}

}

}

}

}

**OUTPUT:**

This ground is enough to play a cricket

The given number is odd

d is the largest.

***WHILE & DO…WHILE LOOP:***

**SOURCE CODE:**

package ifelse;

public class While {

public static void main(String[]args)

{

//while statement

int x=0;

System.out.println("Example of while statement:");

while(x<=10)

{

System.out.println(x);

x++;

}

//do while statement

int x=5;

System.out.println("Example of do..while statement:");

do

{

System.out.println(x);

x++;

}while(x<=10);

}

}

**OUTPUT:**

Example of while statement:

0

1

2

3

4

5

6

7

8

9

10

Example of do..while statement:

5

6

7

8

9

10

***SWITCH CASE STATEMENT:***

**SOURCE CODE:**

package ifelse;

import java.util.Scanner;

public class Switchcase {

public static void main(String[]args)

{

Scanner get = new Scanner(System.in);

System.out.println("Enter the fruit name:");

String fruit=get.next();

System.out.println("The fruit is " + fruit);

switch(fruit)

{

case "apple":

System.out.println("Apple-It is red in colour");

break;

case "banana":

System.out.println("Banana-It is yellow in colour");

break;

case "watermelon":

System.out.println("Watermelon-It is green in colour");

break;

case "orange":

System.out.println("Orange-It is orange in colour");

break;

case "pomegranate":

System.out.println("Pomegranate-It is dark pink in colour");

break;

default:

System.out.println("Please give the valid fruit name");

break;

} }}

**OUTPUT:**

Enter the fruit name:

orange

The fruit is orange

Orange-It is orange in colour