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Morning : 9:30 to 11:30 Java batch

Submission of “Control statement” assignment:

1)

Illustration of normal If statement in java:

IfStatement in java :

IfStatement.java Source code :

**package** ttt;

// simple if statement in java.

**public** **class** IfStatement

{

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

**int** number = 10;

**if** (number > 0) {

System.***out***.println("Number is positive.");

}

System.***out***.println("This statement is always executed.");

}

}

Output:

Number is positive.

This statement is always executed.

2) Illustration of Nested If statement in java:

**NestedIfExample.java Source code :**

**package** ttt;

// Nested if example in java

**public** **class** NestedIfExample

{

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

**int** num=70;

**if**( num < 100 ){

System.***out***.println("number is less than 100");

**if**(num > 50){

System.***out***.println("number is greater than 50");

}

}

}

}

Output:

number is less than 100

number is greater than 50

3) Illustration of If-else statement in java:

**IfElseEx.java Source code:**

**package** ttt;

// a simple program demonstrating the use of if-else in java program

**public** **class** IfElseEx

{

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

**int** num=120;

**if**( num < 50 ){

System.***out***.println("num is less than 50");

}

**else** {

System.***out***.println("num is greater than or equal 50");

}

}

}

Output:

num is greater than or equal 50

4) Illustration of If-else-if statement in java:

**IfElseIfExample1.java :**

**package** ttt;

// a simple program demonstrating the use of if-else in java program

**public** **class** IfElseEx

{

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

**int** num=120;

**if**( num < 50 ){

System.***out***.println("num is less than 50");

}

**else** {

System.***out***.println("num is greater than or equal 50");

}

}

}

Output:

Its a four digit number

5) Illustration of switch statement in java:

SampleSwitch.java

**package** ttt;

**public** **class** SampleSwitch

{

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

{

**for**(**int** i=0;i<6;i++)

{

**switch**(i)

{

**case** 0: System.***out***.println("i is zero");

**break**;

**case** 1: System.***out***.println("i is one");

**break**;

**case** 2: System.***out***.println("i is two");

**break**;

**case** 3: System.***out***.println("i is three");

**break**;

**default**: System.***out***.println("i is greater than 3");

}

}

}

}

Output :

i is zero

i is one

i is two

i is three

i is greater than 3

i is greater than 3

6) Illustration of For-each Loop in java:

ForEach.java SOURCE code:

**package** ttt;

//a simple program demonstrating the use of for-each loop in java

**public** **class** ForEach

{

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

{

**int** a[]= {2,4,3,5,8};

**for**(**int** i:a)

{

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

}

}

}

Output:

2

4

3

5

8

7) Illustration of While-Example Loop in java:

WhileExample.java Source Code:

**package** ttt;

**public** **class** WhileExample

{

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

**int** i=1;

**while**(i<=10){

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

i++;

}

}

}

Output:

1

2

3

4

5

6

7

8

9

10

8) Illustration of Do-While Example Loop in java:

DoWhile.java Source code :

**package** ttt;

**public** **class** DoWhile

{

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

{

**int** x=12;

**do**

{

System.***out***.println("even though the it is false , this statement gets printed");

}**while**(x<10);

}

}

Output:

even though the it is false , this statement gets printed

9) Illustration of Break Statement in java:

BreakEx1.java Source code:

**package** ttt;

**public** **class** BreakEx1

{

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

{

//using for loop

**for**(**int** i=1;i<=10;i++){

**if**(i==5){

//breaking the loop

**break**;

}

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

}

}

}

Output:

1

2

3

4

10) Illustration of continue Statement in java:

ContinueEx1.java Source code:

**package** ttt;

**public** **class** ContinueEx1

{

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

**for** (**int** j=0; j<=6; j++)

{

**if** (j==4)

{

**continue**;

}

System.***out***.print(j+" ");

}

}

}

Output:

0 1 2 3 5 6

11) Illustration of return Keyword in java:

ReturnEx1.java Source code:

**package** ttt;

// simple java program illustrating the use of "return" keyword

**public** **class** ReturnEx1

{

// so this method should return double value

**double** RR(**double** a, **double** b)

{

**double** sum = 0;

sum = (a + b) / 2.0;

// return statement below:

**return** sum;

}

**int** sub(**int** a,**int** b)

{

**int** sub1;

sub1=a - b;

**return** sub1;

}

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

{

ReturnEx1 a = **new** ReturnEx1();

System.***out***.println(a.RR(5.5, 6.5));

System.***out***.println(a.sub(8,6));

}

}

Output:

6.0

2