**QUESTION NO :- 01**

public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello, World!");

}

}

**QUESTION NO :- 02**

public class NameAndDegree {

public static void main(String[] args) {

System.out.println("My name is Chanuka");

System.out.println("My Degree Programme is Networking");

}

}

save this as : NameAndDegree.java

Then navigate this file through cmd

Then compile the java file : javac NameAndDegree.java

Run the programme : java NameAndDegree

**QUESTION NO :- 03**

Using For Loop :

public class App {

public static void main(String[] args) {

for (int i = 0; i < 5; i++) {

System.out.println("Executing Loop " + i);

}

}

}

Using While Loop :

public class App {

public static void main(String[] args) {

int i = 0;

while (i < 5) {

System.out.println("Executing Loop " + i);

i++;

}

}

**QUESTION NO :- 04**

Code: using break

public class App {

public static void main(String[] args) {

int[] numbers = {10, 20, 30, 40, 50};

for (int x : numbers) {

if (x == 30) {

break;

}

System.out.print(x);

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

}

System.out.print("I'm out of the Loop now");

}

}

Results : | 10 |

| 20 |

| I'm out of the Loop now |

code: using continue

public class App {

public static void main(String[] args) {

int[] numbers = {10, 20, 30, 40, 50};

for (int x : numbers) {

if (x == 30) {

continue;

}

System.out.print(x);

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

}

System.out.print("I'm out of the Loop now");

}

}

Results : | 10 |

| 20 |

| 40 |

| 50 |

| I'm out of the Loop now |

**QUESTION NO :- 05**

public class App {

public static void main(String[] args) {

char grade = 'A';

switch (grade) {

case 'A':

System.out.println("Excellent!");

break;

case 'D':

System.out.println("You passed");

case 'F':

System.out.println("Better try again");

break;

default:

System.out.println("Invalid grade");

}

System.out.println("Your grade is " + grade);

}

}

Results :

For A ---

Excellent!

Your grade is A

For D ---

You passed

Better try again

Your grade is D

For F ---

Better ty again

Your grade is F

Code after removing 'break' in line no:6

public class App {

public static void main(String[] args) {

char grade = 'A';

switch (grade) {

case 'A':

System.out.println("Excellent!");

case 'D':

System.out.println("You passed");

case 'F':

System.out.println("Better try again");

break;

default:

System.out.println("Invalid grade");

}

System.out.println("Your grade is " + grade);

}

}

Results :

For A ---

Excellent!

You passed

Better try again

Your grade is A

For D ---

You passed

Better try again

Your grade is D

For F ---

Better ty again

Your grade is F

Repeat the same scenario by using if-else-if statement instead of switch case.

code:

public class App {

public static void main(String[] args) {

char grade = 'F';

if (grade == 'A') {

System.out.println("Excellent!");

} else if (grade == 'D') {

System.out.println("You passed");

} else if (grade == 'F') {

System.out.println("Better try again");

} else {

System.out.println("Invalid grade");

}

System.out.println("Your grade is " + grade);

}

}

Results :

For A ---

Excellent!

Your grade is A

For D ---

You passed

Your grade is D

For F ---

Better try again

Your grade is F

**QUESTION NO :- 06**

public class App {

public static void main(String[] args) {

int[] numbers = {10, 20, 30, 40, 50};

for (int x : numbers) {

System.out.print(x);

System.out.print(",");

}

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

String[] names = {"James", "Larry", "Tom", "Lacy"};

for (String name : names) {

System.out.print(name);

System.out.print(",");

}

}

}