Practical no.01

1).

package com.mycompany.mavenproject12;

public class Mavenproject12

{

public static void main(String[] args)

{

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

}

}

2).

package com.mycompany.mavenproject1

public class MyName

{

public static void main(String[] args)

{

System.out.println("hello my name is Kavindi Kaushalya ");

System.out.println(" software engineering ");

}

3).

For loop

package com.mycompany.forloop;

public class ForLoop

{

public static void main(String[] args)

{

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

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

}

}

}

While loop

package com.mycompany.whileloop;

public class WhileLoop {

public static void main(String[] args)

{

int i = 0;

while(i < 5)

{

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

i++;

}

}

}

4).

package com.mycompany.breakex;

public class Breakex

{

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");

}

}

Result: 10

20

I'm out of the Loop now

**Using “continue”**

package com.mycompany.continueex;

public class Continueex

{

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");

}

}

Result: 10

20

40

50

I'm out of the Loop now

5).

package com.mycompany.switchex;

public class Switchex

{

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);

}

}

Result: Excellent!

Your grade is A

removing “break” command

package com.mycompany.switchex;

public class Switchex

{

public static void main(String[] args)

{

char grade = 'A';

switch(grade)

{

case 'A' :

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

// break; // This line is commented out

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);

}

}

Result: Excellent!

You passed

Better try again

Your grade is A

same scenario by using if-else-if statement

package com.mycompany.switchex;

public class Switchex

{

public static void main(String[] args)

{

char grade = 'A';

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);

}

}

Result: Excellent!

Your grade is A

6).

package com.mycompany.q6;

public class Q6

{

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(",");

}

}

}

Output: 10,20,30,40,50,

James,Larry,Tom,Lacy,