Practical 01

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01. public class HelloWorld {   public

static void main(String[] args) {

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

  }

}

02. public class NameAndDegree {

  public static void main(String[] args) {

    String myName = "Punarji";

    String myDegree = "MIS";

    System.out.println(myName);

    System.out.println(myDegree);

  }

}

Output

Punarji

MIS

03.

For Loop

```java
public class ForLoopExample {

    public static void main(String[] args) {

        for (int i = 0; i < 5; i++) {
            System.out.println("Executing Loop " + i);

        }

    }

}
```

While Loop

```java
public class WhileLoopExample {

    public static void main(String[] args) {

        int i = 0;
while (i < 5) {

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

        i++;

    }

  }

}
```

04.

Break

```java
public class BreakExample {

    public static void main(String[] args) {
int[] numbers = {10, 20, 30, 40, 50};       for
(int x : numbers) {
```

```java
        if (x == 30) {

break;

        }

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

    }

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

}
```

Continue

```java
public class ContinueExample {

    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 + "\n");

    }

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

  }

}
```

05.

Using switch-case with "break":

```java
public class SwitchCaseExample {
```

```java
    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);

  }

}
```

Using switch-case without "break":

```java
public class SwitchCaseWithoutBreakExample {

  public static void main(String[] args) {

char grade = 'A';        switch (grade) {

        case 'A':

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

        case 'D':
```

```java
            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);

  }

}
```

Using if-else-if statements:

```java
public class IfElseIfExample {    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);

  }
```

}

06.

corrected code:

```java
class TestEnhanceForLoop {
   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(",");

      }
   }
}
```