CORE JAVA ASSIGNMENT

DAY - 4 By Devayush Bajaj

Q1)Consider the following code snippet.

Exercise: What output do you think the code will produce if number is 3?

If number inserted in number1 variable is 3 then it will not show any output

Q2)Using only spaces and line breaks, reformat the above Q1) code snippet to make the control flow easier to understand.

Q3)Convert the following if-else-if code into switch case: for temperature

```
if(var == 1)
System.out.println(high");'
else if(var == 2)
System.out.println("medium");
else if(var == 3)
System.out.println("high");
else
System.out.println("abnormal");
```

OUTPUT:

```
Run: If Else_INTO_Switch_case ×

"C:\Program Files\Java\jdk1.8.0_202\bin\java.exe" ...

Low

Process finished with exit code 0

Process finished with exit code 0

Process finished with exit code 0

Bulld completed successfully in 1 sec. 562 ms (moments ago)

1421 CRLF UTF-8 4 spaces Pamaster %
```

Q4)Rewrite the following program code using the suitable 'if' command.

```
switch(m){
  case 0:
  x=x+2;
  System.out.println("X=" x);
  break;
  case 1:

Tx=x+4;
  System.out.println("X=" x);
  break;
  case 2:
  x=x+6;
  System.out.println("X=" x);
  break; }
```

Q5)Take two int values from the user and print the greatest among them.

Q6) Take input of age of 3 people by user and determine oldest and youngest among them. (by applying age criteria)

```
System.out.println("Person 2 is greater ");
            public void youngest(){
            else if (person_2 < person_3 && person_2 < person_1) {</pre>
import java.util.Scanner;
public class GreatestAndYoungest {
    public void greatestAndYoungest() {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter age of 2nd person : ");
    public static void main(String[] args) {
        GreatestAndYoungest greatestAndYoungest = new GreatestAndYoungest();
        greatestAndYoungest.greatestAndYoungest();
        greatestAndYoungest.greatest();
        greatestAndYoungest.youngest();
```

```
else if (person_2 > person_3 && person_2 > person_1) {

System.out.println("Person 2 is greater ");
}
else if (person_3 > person_1 && person_2) {

System.out.println("Person 3 is greater ");
}

lusage
public void youngest() {

if (person_1 < person_2 && person_3) {

System.out.println("Person 1 is youngest ");
}

else if (person_2 < person_3 && person_2 < person_1) {

System.out.println("Person 2 is youngest ");
}

else if (person_3 < person_1 && person_2 < person_2) {

System.out.println("Person 3 is youngest ");
}

else if (person_3 < person_1 && person_2 < person_2) {

System.out.println("Person 3 is youngest ");
}

}

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}
```

```
public static void main(String[] args) {
    GreatestAndYoungest greatestAndYoungest = new GreatestAndYoungest();
    greatestAndYoungest.greatestAndYoungest();
    greatestAndYoungest.greatest();
    greatestAndYoungest.youngest();
}

/* OUTPUT
Enter age of 1st person :
    44

Enter age of 2nd person :
    34

Enter age of 3rd person :
    43

Person 1 is greater
Person 2 is youngest

*/
```

Q7)Perform below operations:

1)Print below data:using any loop and jumping statement

Monday

Tuesday

Wednesday

Fnday

Saturday

Sunday

2)Out of 7 days in a week, Skip only Today's day.

3)Out of 31, print date till today (passed till current date like for Jan 1-20 as today is

22nd July

Q8) Draw the pattern (With Devansh):