

## CONTROL STATEMENTS

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- 1.if/else if
- 2.Looping(for,while,do-while)
- 3.Switch case
- 4.break/continue

## TECHNICAL QUESTIONS:

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- 1.What is difference between break and continue?
- 2.Whether we can use continue statement in switch?
- 3.What is mean by control statments and types?
- 4.What is mean by for loop?
- 5.Can you explain about for loop execution process?
- 6.What is difference between while and do-while?
- 7.What is the use of default keyword in switch?
- 8.Difference between for and while loop?

## TASKS

=====

### QUESTION 1:

-----

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 100; i++) {
            if (i == 5) {

            }
            System.out.println(i);

        }

    }
}
```

### QUESTION 2:

-----

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 10; i++) {
            if (i == 5) {
                break;
            }
            System.out.println(i);

        }

    }
}
```

### QUESTION 3:

-----

```
package org.test;
```

```
public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 10; i++) {
            if (i == 5) {
                continue;
            }
            System.out.println(i);
        }
    }
}
```

QUESTION 4:

-----

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(j);
            }
        }
    }
}
```

QUESTION 5:

-----

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(i);
            }
        }
    }
}
```

QUESTION 6:

-----

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.println(j);
            }
        }
    }
}
```

```
}
```

```
}
```

QUESTION 7:

-----

```
package org.test;
```

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = i + 1; j <= 3; j++) {  
                System.out.println(j);  
            }  
        }  
    }  
}
```

```
}
```

```
}
```

QUESTION 8:

-----

```
package org.test;
```

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = i + 1; j <= i; j++) {  
                System.out.println(j);  
            }  
        }  
    }  
}
```

```
}
```

```
}
```

QUESTION 9:

-----

```
package org.test;
```

```
public class Hello {  
    public static void main(String[] args) {  
        int i=5;  
        if (i == 5) {  
            break;  
        }  
        System.out.println(i);  
    }  
}
```

```
}
```

QUESTION 10:

-----

```
package org.test;
```

```
public class Hello {  
    public static void main(String[] args) {
```

```

int i=5;
    if (i == 5) {
        continue;
    }
    System.out.println(i);
}
}

```

#### QUESTIONS(Programs)

##### QUESTION 1:

Description: Write Java program to allow the user to input his/her age. Then the program will show if the person is eligible to vote.

A person who is eligible to vote must be older than or equal 1 to 18 years old.

Example:

Input = 10  
Output = print not eligible.

##### QUESTION 2:

Description: Write a program to find even or odd number

Example:

Input = 10  
Output = Even

##### QUESTION 3:

Description: Write a program to print even number from 1 to 100

Example:

Output = 2,4,....100

##### QUESTION 4:

Description: Find the sum of odd number 1 to 100

Example:

Output = 2500

##### QUESTION 5:

Description: Count of even number 1 to 100

Example:

Output = 50

##### QUESTION 6:

Description: Write a program to find the factorial of a number.

Example:

-----  
Input = 5  
Output = 120

QUESTION 7:

-----  
Description: Write a program to print the fibonacci series of a number 1 to 100.

Example:

-----  
Output = 0,1,1,2,3,5.....

QUESTION 8:

-----  
Description: Find prime number or not.

Example:

-----  
Input = 11  
Output = prime number

QUESTION 9:

-----  
Description : Print the below patterns using for loop.

Output:

-----  
1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5  
1 2 3 4 5 6  
1 2 3 4 5 6 7

-----  
          \*  
          \*  \*  
        \*  \*  \*  
       \*  \*  \*  \*  
    \*  \*  \*  \*  \*  
  \*  \*  \*  \*  \*  \*

-----  
\*  
\*  \*  
\*  \*  \*  
\*  \*  \*  \*  
\*  \*  \*  \*  \*

QUESTION 10:

-----  
Description: Find Armstrong number or not

Example:

-----  
Input = 153

Output = Armstrong number

QUESTION 11:

-----

Description: Reverse the number

Example:

-----

Input = 123

Output = 321

QUESTION 12:

-----

Description: Count of the number

Example:

-----

Input = 123

Output = 3

QUESTION 13:

-----

Description: Sum of the number

Example:

-----

Input = 123

Output = 6

QUESTION 14:

-----

Description: Verify the number is palindrome number not

Example:

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Input = 141

Output = Palindrome