Smart Programming : YouTube Channel

An investment in Knowledge pays the best interest….

Selection Statements in Java

=> Control Statements :-

-> Control Statements are those who can control the flow of the program

-> Types of Control Statements :-

1. Selection Statements

if, if else, if-else if, nested if, switch

2. Iteration/Looping Statements

for, while, do-while, for-each loop

3. Jump Statements

break, continue, return

=> There are 2 types of conditional expressions :-

1. Constant Expression

-> Constant expression are those in which we provide only constant values or final variables

-> Constant expressions are evaluated by "Compiler"

2. Variable Expression

-> Variable expression are those in which we provide the variables

-> Variable expressions are evaluated by "JVM"

=> Selection Statements :-

1. if :-

```
Syntax : if(condition)        //condition -> boolean
        {

            statements;

        }
```

2. if else :-

```
Syntax : if(condition)
        {

            statements;

        }
        else

        {

            statements
```

```
                    }



3. If else-if (ladder if):-

        Syntax : if(condition)

                {

                     statements;

                }

                else if(condition)

                {

                     statements;

                }

                else if(condition)

                {

                     statements;

                }

                -
```

```
            -

            -

        else

        {

            statements;

        }
```

4. Nested if :-

```
    Syntax :- if(condition)

            {

                if(condition)

                {

                    if(condition)

                    {

                    }
```

```
                    }

                }

            else

            {

                    if(condition)

                    {

                    }

            }


5. switch :-

        Syntax : switch(variable to be tested)

                {

                        case value1 : Statements;

                                        break;

                        case value2 : Statements;
```

```
                              break;

                    case value3 : Statements

                              break;

          -

          -

          -

          default : Statements;

                         break;

    }
```

NOTE : variable to be tested must be byte, short, int, char and String but not long, float, double, boolean

Programs :-

1. WAP to find the greater number between 2 numbers

2. WAP to find the greater number between 3 numbers

3. WAP to check for leap year

4. WAP to create simple calculator using switch statement

5. WAP to find the greater number between 2 numbers using ternary operator

6. WAP to swap the 2 numbers

7. WAP to swap the 2 numbers without using third variable

Company Links & Contacts

Company Name: Smart Programming (+91 62838-30308)

Address : Chandigarh & Mohali (Punjab), India

Websites: https://www.smartprogramming.in/

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