# SELECTION STATEMENTS

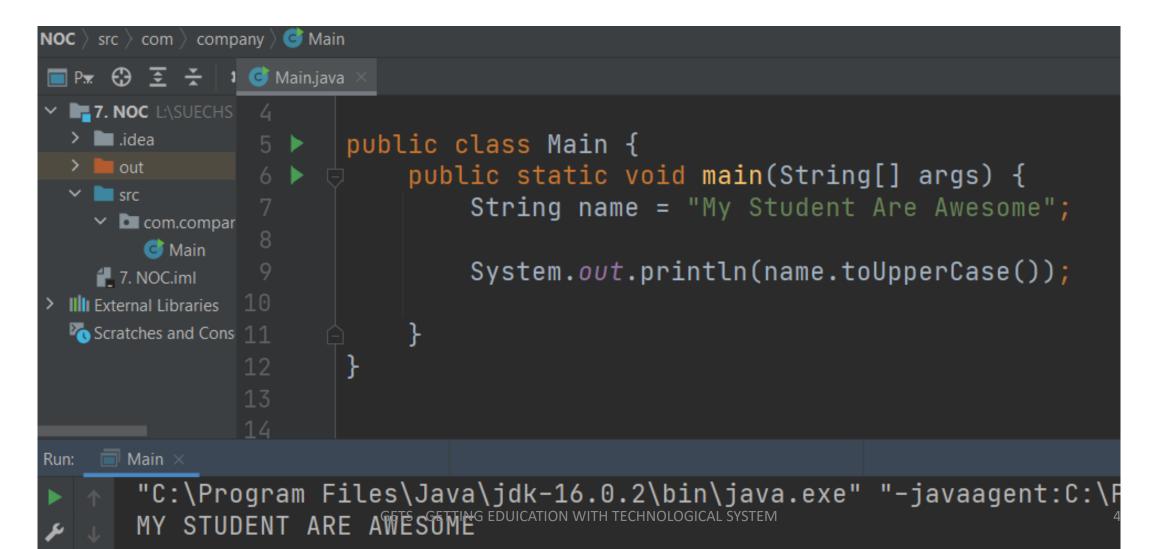
## IN THE NAME OF ALLAH THE GRACIOUS, THE MERCIFUL.



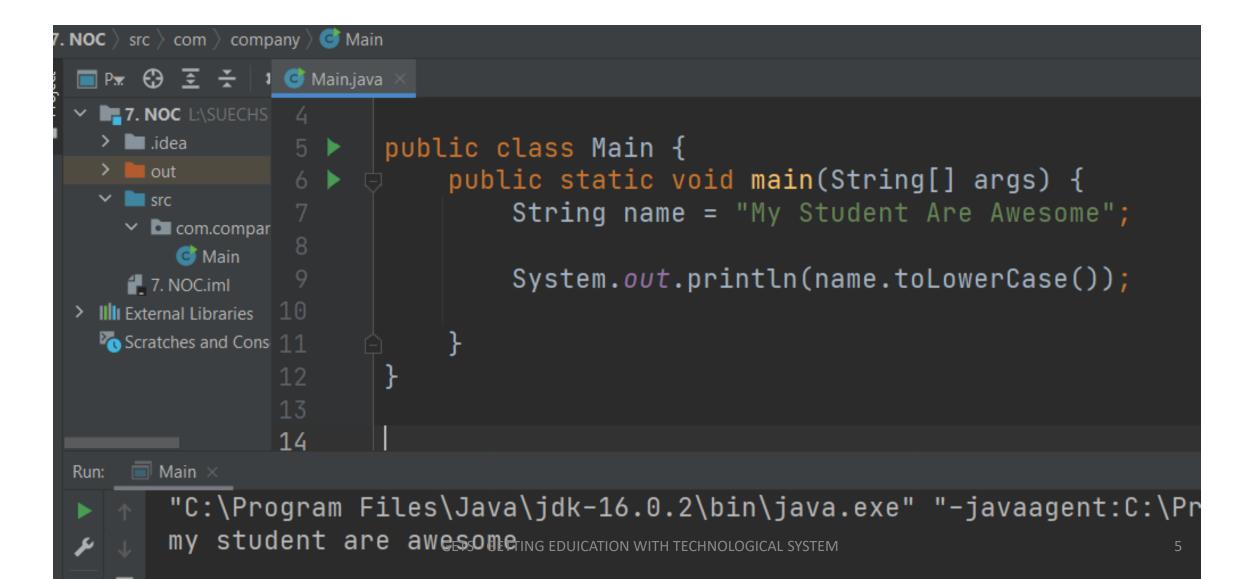
### GETS - GETTING EDUCATION WITH TECHNOLOGICAL SYSTEM

Instructor: Sir A.Rehman Ali Brohi

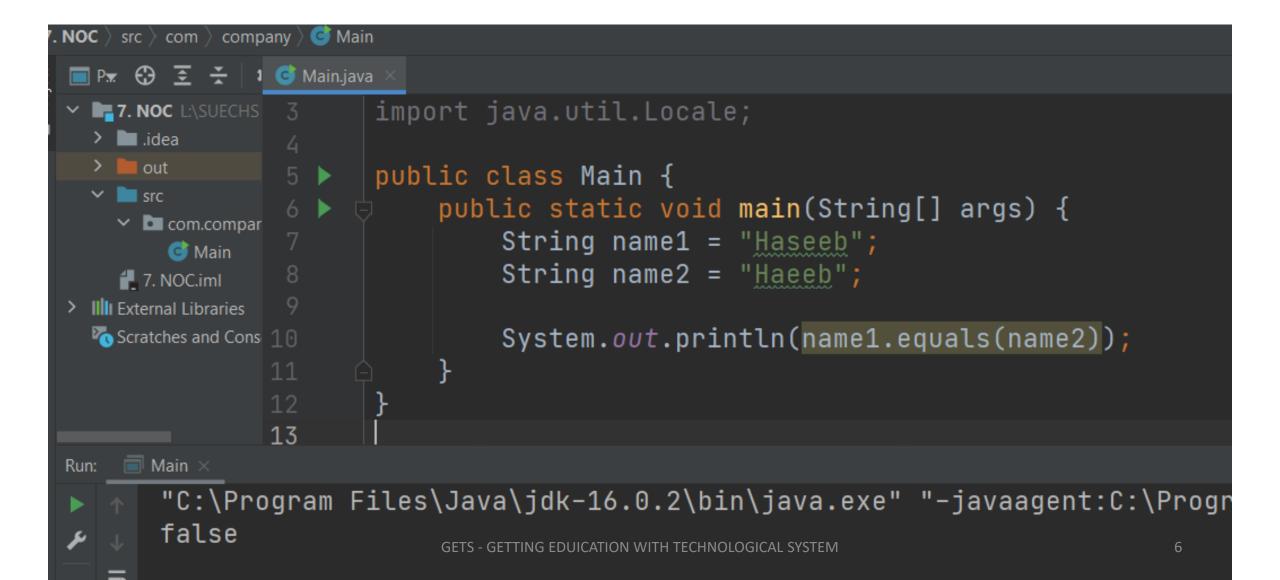
## How to make your text in Uppercase or Lowercase using methods....



#### For Lowercase...



#### Comparing the String that are equal or not



## Comparing the String that are equal or not using creating the object method

```
7. NOC > src > com > company > G Main
  🔳 P😿 🛟 🗿 🛣 🔰 🌀 Main.java

▼ 1. NOC L:\SUECHS

   > idea
                         import java.util.Locale;
   ✓ src
                         public class Main {
     com.compar
                               public static void main(String[] args) {
         @ Main
                                   String name1 = new String(original: "Haseeb");
     7. NOC.iml
                                   String name2 = new String(original: "Haseeb");
   III External Libraries
   Scratches and Cons
                                   System.out.println(name1.equals(name2));
     Main ×
         "C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Program
         true
                                GETS - GETTING EDUICATION WITH TECHNOLOGICAL SYSTEM
```

#### Instance Variable

```
7. NOC > src > com > company > 🌀 Main

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                                                                                                                                      package com.company;
                  > idea
                 > out
                                                                                                                                      public class Main {

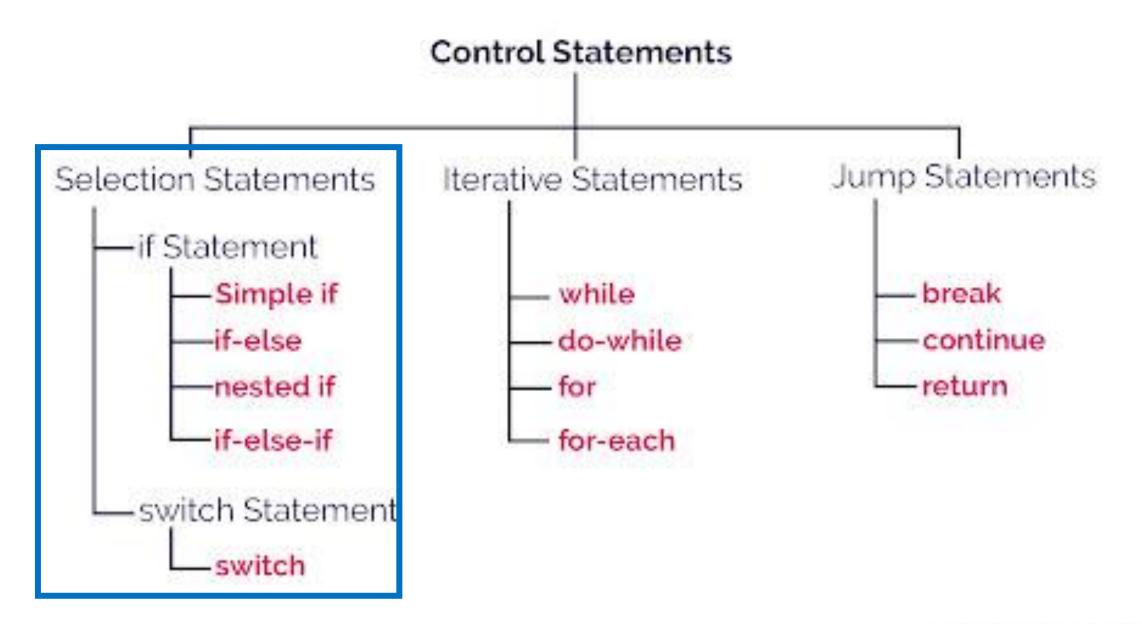
✓ src

                                                                                                                                                              int a = 50;
                           public static void main(String[] args) {
                                                G Main
                                                                                                                                                                                        Main objname = new Main();
                            7. NOC.iml
               III External Libraries
                                                                                                                                                                                         System.out.println(objname.a);
                  Scratches and Cons
                            Main ×
      Run:
                                             "C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:
                                              50
                                              Process finished to the detail in the control of the detail in the detai
```

#### LECTURE: 5 JAVA CONTROL STATEMENTS



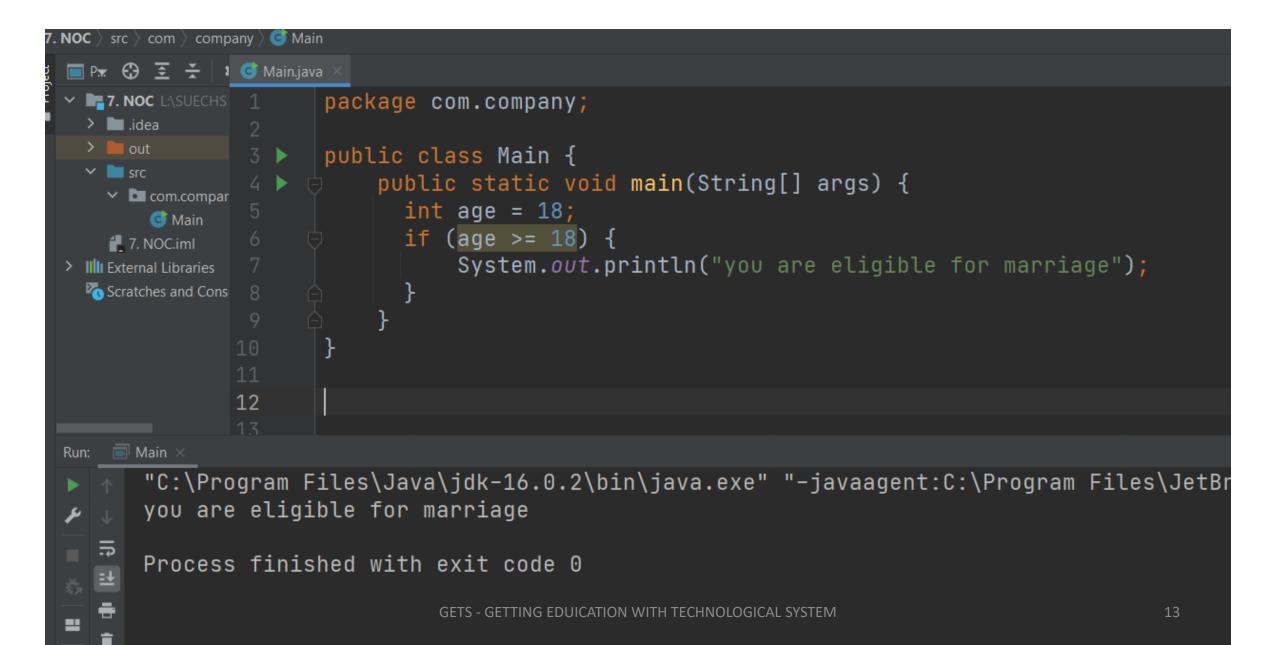
## Control flow statements let you control the flow of the execution of the code in your program.



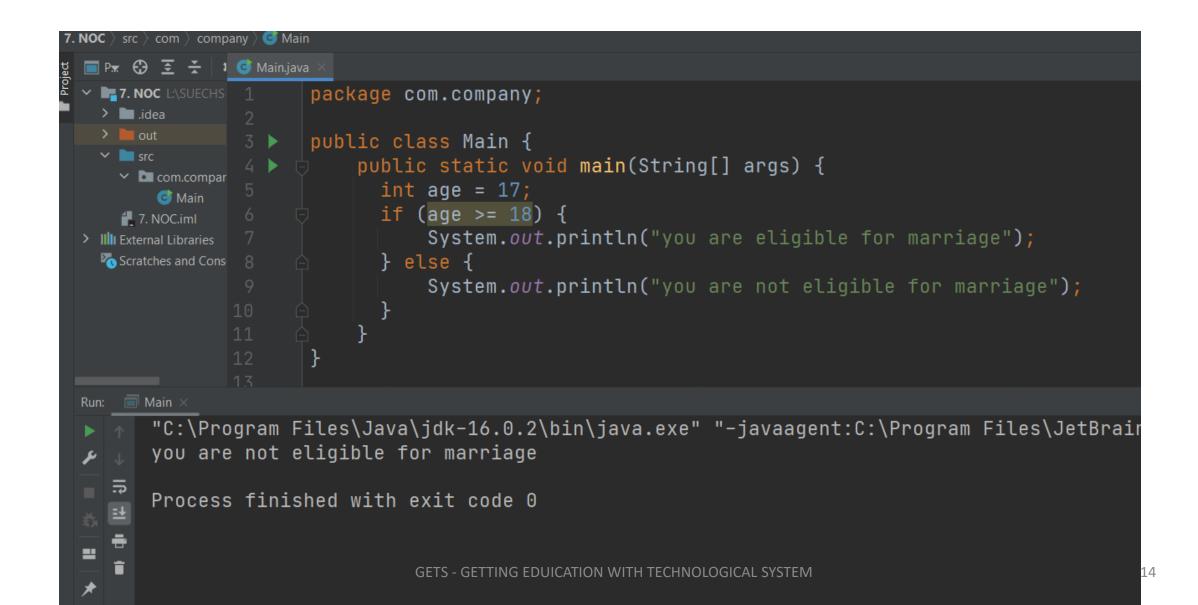
#### **SELECTION STATEMENTS:**

- 1.IF STATEMENT
- **2.IF-ELSE** STATEMENT
- 3.IF ELSE-IF...ELSE-IF ELSE STATEMENT
- 4.NESTED IF STATEMENT

#### **Java If Condition**



#### Java if-else Condition



```
Px € Ξ ÷

✓ ■ 7. NOC L\SUECHS

                     public class Main {
  > idea
                         public static void main(String[] args) {
  > out
                          int marks = 105;
  ∨ src
   Com.compar
                          if(marks >=90 && marks<=100){
       @ Main
   7. NOC.iml
                               System.out.println("A1 grade");
> IIII External Libraries
 Scratches and Cons 10
                           else if(marks >=80 && marks<=90) {
                               System.out.println("A grade");
                           else if(marks >=70 && marks <=80){
                               System.out.println("B");
                           else if(marks >=60 && marks <=70){
                               System.out.println("C");
                           else if(marks >=50 && marks <=60){
                               System.out.println("D");
                           else if(marks >=0 && marks <=49){
                               System.out.println("Fail");
                          else {
                               System.out.println("Invalid");
Run:
       "C:\Program Files\Java\jdk-16.0.2\bin\java_esxe" "-javaagent:C:\Program Files
```

7. NOC > src > com > company > 6 Main > 6 main

Invalid

Java
if
else-if...
else
Condition

## **Assignment:** Find the number is positive or negative or Zero

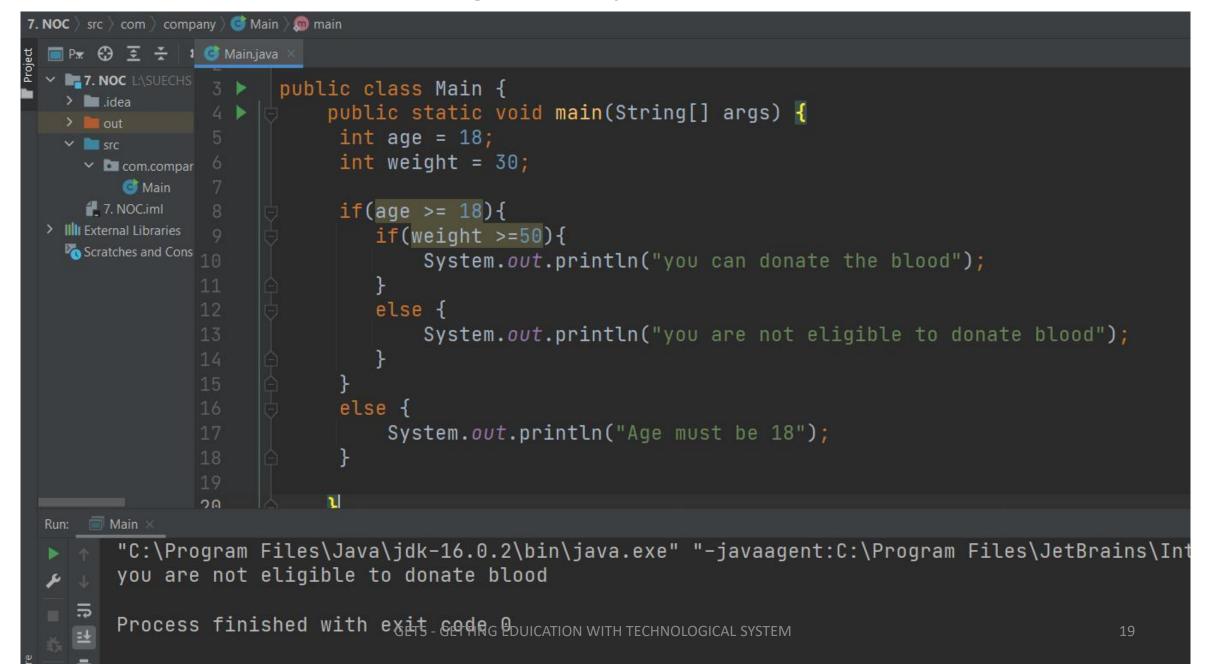
#### **Assignment in practical**

```
✓ ■ 7. NOC L:\SUECHS 1

                     package com.company;
   > 🖿 .idea
   > out
                     public class Main {
   ✓ src
                          public static void main(String[] args) {
    int num = 0;
        G Main
    7. NOC.iml
                          if(num >0){
 > IIII External Libraries
   Scratches and Cons 8
                               System.out.println("the number is positive");
                           else if(num <0){</pre>
                               System.out.println("the number is negative");
                           else {
                               System.out.println("Zero");
 Run:
       Main
       "C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Program Files\J
       Zero
       Process finished with exit code 0
                          GETS - GETTING EDUICATION WITH TECHNOLOGICAL SYSTEM
```

Assignment: use nested if condition for blood donate whom age is greater than 18 and weight is above 50

#### **Assignment in practical**



#### Switch Statement

```
. NOC > src > com > company > 🍯 Main > 📠 main
■ Px 🔂 🗵 🕇 🕽 🌀 Main.java
                      public class Main {

▼ ■ 7. NOC L:\SUECHS 3 ▶

  > idea
  > out
                          public static void main(String[] args) {
                               int menu = 5;
    Com.compar
       @ Main
                               switch (menu){
    7. NOC.iml
                                   case 1:
> Illi External Libraries
                                        System.out.println("you have selected biryani");
  Scratches and Cons 10
                                        break;
                                   case 2:
                                        System.out.println("you have selected kabab");
                                        break;
                                   case 3:
                                        System.out.println("you have selected neehari");
                                        break;
                                   case 4:
                                        System.out.println("you have selected burgar");
                                        break;
                                   default:
                                        System.out.println("invalid or wrong selected");
       "C:\Program Files\Java\idk-16,0c2\bin\javarexe" "-javaagent; C:\Program Files\JetBrains
       invalid or wrong selected
```

#### Switch Statement with string

```
7. NOC > src > com > company > ⓒ Main
 🔳 P. 😯 🗿 🛣 🚶 🕽 😅 Main.java
 ✓ ■ 7. NOC L:\SUECHS
                       public class Main {
   > idea
  > out
   ✓ src
                            public static void main(String[] args) {
     String levelstring = "intermediate";
        © Main
                                 int level = 0;
     7. NOC.iml
 > IIII External Libraries
                                 switch (levelstring){
   Scratches and Cons
                                     case "beginer" : level = 1;
                                     break;
                                     case "intermediate": level = 2;
                                     break;
                                     case "expert": level = 3;
                                     break;
                                     default: level = 0;
                                     break;
                                 System.out.println(level);
```

#### Assignment:

Match the condition is that you are studying in university part 3 and doing 2<sup>nd</sup> semester using Nested Switch Statement