University of Science and Technology Chittagong

Department of Computer Science and Engineering

Lab Task 4

Object Oriented Programming (Java)

Programming Basics

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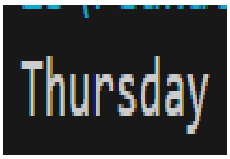
Java Switch

switchs.java

```java
public class switchs {
    public static void main(String[] args) {
        int day = 4;
        switch (day) {
            case 1:
                System.out.println(x: "Monday");
                break;
            case 2:
                System.out.println(x: "Tuesday");
                break;
            case 3:
                System.out.println(x: "Wednesday");
                break;
            case 4:
                System.out.println(x: "Thursday");
                break;
            case 5:
                System.out.println(x: "Friday");
                break;
            case 6:
```



Instead of writing **many** `if..else` statements, you can use the `switch` statement.

Think of it like ordering food in a restaurant: *If you choose number 1, you get Pizza. If you choose 2, you get a Burger. If you choose 3, you get Pasta. Otherwise, you get nothing*.

- The `switch` expression is evaluated once.

- The result is compared with each `case` value.
- If there is a match, the matching block of code runs.
- The `break` statement stops the switch after the matching case has run.
- The `default` statement runs if there is no match.

The default Keyword

switchs.java

```java
public class switchs {
    Run | Debug
    public static void main(String[] args) {
        int day = 4;
        switch (day) {
            case 6:
                System.out.println(x: "Today is Saturday");
                break;
            case 7:
                System.out.println(x: "Today is Sunday");
                break;
            default:
                System.out.println(x: "Looking forward to the Weekend");
        }
    }
}
```

Code & Output

```
Looking forward to the Weekend
```

The `default` keyword specifies some code to run if there is no case match.

if the `default` statement is used as the last statement in a switch block, it does not need a break.

END