

3. (a) State the output of the program segment.

```
public static void main(String str[]) {
    String txt = "SEPTEMBER";
    if (txt.startsWith("SEPT"))
        System.out.println(txt + "-> " + 9);
}
```

- (b) If you replace txt by "FEBRUARY". What would the output of 3(a) be ?

4. (a) Enter an input value so that the if part is true. State its output.
(b) Enter an input value so that the else part is true. State its output.

```
public static void main(String str[ ]) {
    int input = Integer.parseInt(str[0]);
    System.out.println("Input -> " + input);
    if (input % 4 == 0)
        System.out.println("Result -> " + ++input);
    else
        System.out.println("Result -> " + --input);
}
```

5. (a) Enter an input value so that the if part is true. State its output.
(b) Enter an input value so that the else part is true. State its output.

```
public static void main(String str[ ]) {
    char input = str[0].charAt(0);
    System.out.println("Input-> " + input);
    if (Character.isDigit(input))
        System.out.println("Result -> " + input);
    else
        System.out.println("Wrong Input! ");
}
```

6. Enter one value at a time: 9, 4, 7, 2 and state its corresponding output.

```
public static void main(String str[ ]) {
    int point = Integer.parseInt(str[0]);
    System.out.println("Input-> " + point);
    if (point >= 8)
        System.out.println("Placement -> Group A ");
    else if (point >= 6)
        System.out.println("Placement -> Group B ");
    else if (point >= 4)
        System.out.println("Placement -> Group C ");
    else
        System.out.println("Placement -> Group X ");
}
```