# WT Lab04

Author: Dipankar Das
Date: 5-2-2022
Roll: 20051554

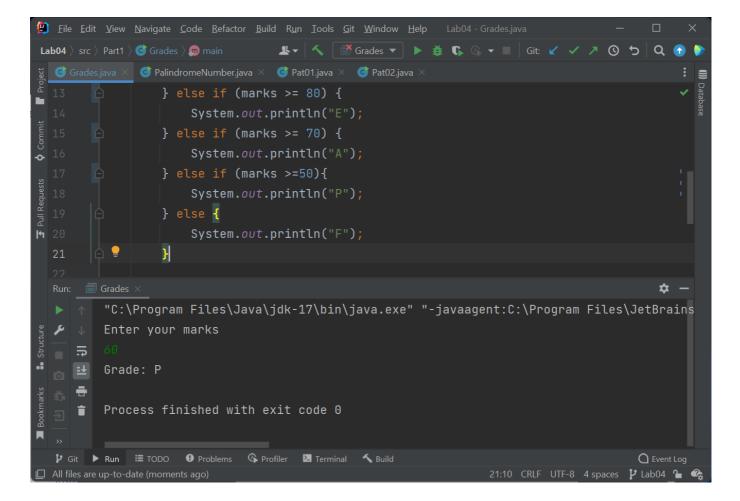
## Question 1

Program to print the corresponding grade for the given mark using if..else statement in Java

#### Solution

```
package Part1;
import java.util.Scanner;
public class Grades {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        System.out.println("Enter your marks");
        int marks = in.nextInt();
        System.out.print("Grade: ");
        if (marks >= 90) {
            System.out.println("0");
        } else if (marks >= 80) {
            System.out.println("E");
        } else if (marks >= 70) {
            System.out.println("A");
        } else if (marks >=50){
            System.out.println("P");
        } else {
            System.out.println("F");
        in.close();
    }
}
```

### Output



### **Question 2**

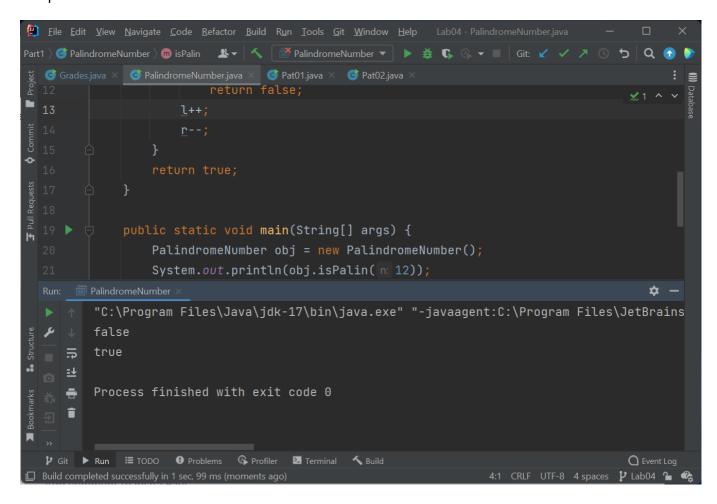
Program to check a user entered number is palindrome or not.

### Solution

```
package Part1;
public class PalindromeNumber {
    private boolean isPalin(int n) {
        String str = Integer.toString(n);
        int 1 = 0;
        int r = str.length()-1;
        while (1 < r) {
            if (str.charAt(1) != str.charAt(r))
                return false;
            1++;
            r--;
        }
        return true;
    }
    public static void main(String[] args) {
        PalindromeNumber obj = new PalindromeNumber();
        System.out.println(obj.isPalin(12));
```

```
System.out.println(obj.isPalin(121));
}
}
```

### Output



## Question 3

Print the following pattern:

```
A
CD
FGH
JKLM
```

#### Solution

```
package Part2;

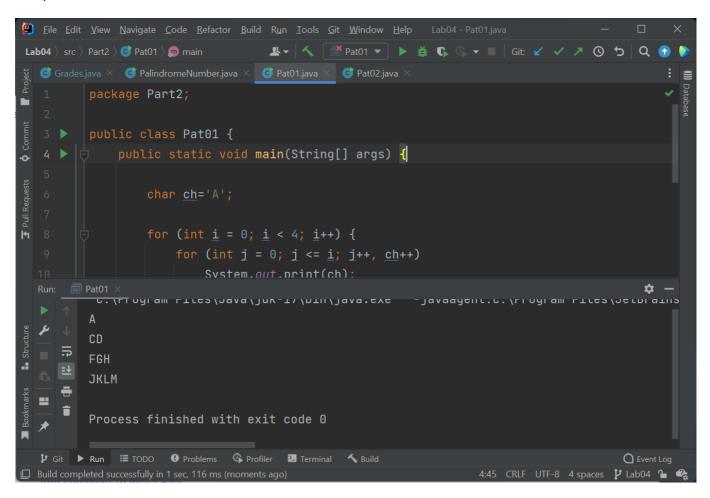
public class Pat01 {
    public static void main(String[] args) {
```

```
char ch='A';

for (int i = 0; i < 4; i++) {
    for (int j = 0; j <= i; j++, ch++)
        System.out.print(ch);
    ch++;
    System.out.println();
}

}
}</pre>
```

### Output



# Question 4

Print the following pattern:

```
1
232
34543
4567654
```

### Solution

### Output

