

## ASSIGNMENT-2

### 1. ATM PIN Retry System

Ask the user to enter a PIN.

Allow unlimited attempts **until** the correct PIN is entered (use while).

```
package com.index;

import java.util.Scanner;

public class ass2_atm {

    public static void main(String[] args) {

        Scanner obj = new Scanner(System.in);
        int pin = 1234;
        int enteredPin = 0;

        while (enteredPin != pin) {
            System.out.println("Enter PIN:");
            enteredPin = obj.nextInt();
        }

        System.out.println("PIN correct. Access granted");

    }
}
```

## 2.Password Validation Loop

Ask user for a password.

Continue asking **while** length < 8

(show message “Password too short”).

```
package com.index;  
import java.util.Scanner;  
public class ass2_password {  
    public static void main(String[] args) {  
        Scanner obj = new Scanner(System.in);  
        String password = "";  
        while (password.length() < 8) {  
            System.out.println("Enter password:");  
            password = obj.nextLine();  
            if (password.length() < 8) {  
                System.out.println("Password too short");  
            }  
        }  
        System.out.println("Password accepted");  
    }  
}
```

### 3.Menu-Driven Program

Display a menu (Add, Sub, Exit).

Execute at least once,  
repeat the menu **until** user selects Exit.

```
package com.index;

import java.util.Scanner;

public class ass2_menu {

    public static void main(String[] args) {

        Scanner obj = new Scanner(System.in);

        int choice;

        do {

            System.out.println("1. Add");
            System.out.println("2. Sub");
            System.out.println("3. Exit");

            System.out.print("Enter choice: ");
            choice = obj.nextInt();

            if (choice == 1) {

                System.out.println("Addition selected");
            }

            else if (choice == 2) {

                System.out.println("Subtraction selected");
            }

        } while (choice != 3);

        System.out.println("Program exited");
    }
}
```

#### 4. Read Input Until User Says “No”

Ask user:

“Do you want to continue? (y/n)”

Repeat **do-while** user enters 'y'.

```
package com.index;  
import java.util.Scanner;  
public class ass2_read {  
    public static void main(String[] args) {  
        Scanner obj = new Scanner(System.in);  
        char choice;  
        do {  
            System.out.println("Do you want to continue? (y/n)");  
            choice = obj.next().charAt(0);  
        } while (choice == 'y');  
        System.out.println("Stopped");  
    }  
}
```

## 5. Validate Mobile Number Length

Ask user to enter a 10-digit mobile number.

If wrong, repeat —

but the input prompt should run **once minimum**.

```
package com.index;  
import java.util.Scanner;  
public class ass2_mobile {  
    public static void main(String[] args) {  
        Scanner obj = new Scanner(System.in);  
        String mobile;  
        do {  
            System.out.println("Enter 10-digit mobile number:");  
            mobile = obj.nextLine();  
        } while (mobile.length() != 10);  
        System.out.println("Valid mobile number");  
    }  
}
```