

BANKING SYSTEM – CONTROL STRUCTURE

TASK 5: PASSWORD VALIDATION

- The program prompts the user to enter a password.
- The isValidPassword() method checks if the password:
 - Has at least 8 characters.
 - Contains at least one uppercase letter.
 - Contains at least one digit.
- If the password meets all criteria, it prints "Password is valid." otherwise, it prints an error message.

JAVA PROGRAM:

```
import java.util.*;
public class Task5 {
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Password");
        String password=sc.nextLine();
        if(valid(password)){
            System.out.println("Password is valid");
        }
        else{
            System.out.println("Invalid password");
        }
    }
    public static boolean valid(String s){
        if(s.length()<8){
            return false;
        }
        boolean upper=false;
        boolean digit=false;
        for(int i=0;i<s.length();i++){
            char ch=s.charAt(i);
            if(Character.isUpperCase(ch)){
                upper=true;
            }
            if(Character.isDigit(ch)){
                digit=true;
            }
        }
        return upper && digit;
    }
}
```

OUTPUT:

VALID PASSWORD:

```
Enter Password
Praveshini123
Password is valid
BUILD SUCCESSFUL (total time: 16 seconds)
```

INVALID PASSWORD:

```
Enter Password
abc_123
Invalid password
BUILD SUCCESSFUL (total time: 14 seconds)
```

```
Enter Password
Praveshini
Invalid password
BUILD SUCCESSFUL (total time: 4 seconds)
```