1. **Student Pass/Fail**

If marks **>= 40**, print *"Pass"*, else print *"Fail"*.

```java
package com.index;

import java.util.Scanner;

public class ass1 {

        public static void main(String[] args) {

System.out.println("Enter mark:");

Scanner obj =new Scanner(System.in);

int marks=obj.nextInt();

if(marks>=40)

{

        System.out.println("pass");

}

else

{

        System.out.println("fail");

}

        }


}
```

2.Odd or Even

If number % 2 == 0 → print *"Even"*

Else → print *"Odd"*.

```java
package com.index;

import java.util.Scanner;

public class ass1_odd {

    public static void main(String[] args) {

        System.out.println("Enter the number:");

        Scanner obj =new Scanner(System.in);

        int number=obj.nextInt();

        if( number % 2 == 0 )

        {

        System.out.println("Even");

        }

        else

        {

                System.out.println("Odd");

        }

    }

}
```

3.User Login Authentication

If username & password match → print *"Login Successful"*

Else → print *"Invalid Credentials"*

```java
package com.index;

import java.util.Scanner;

public class ass1_user {

    public static void main(String[] args) {

        Scanner obj = new Scanner(System.in);

        System.out.println("Enter username:");

        String username = obj.nextLine();

        System.out.println("Enter password:");

        String password = obj.nextLine();

        if (username.equals("navee") && password.equals("1234")) {

            System.out.println("Login Successfully");

        } else {

            System.out.println("Invalid Credentials");

        }


    }
}
```

4.Age Group Classification

Age < 13 → Child

Age < 20 → Teenager

Age < 60 → Adult

Else → Senior Citizen

```java
package com.index;

import java.util.Scanner;

public class ass1_age {

	public static void main(String[] args) {

			Scanner obj = new Scanner(System.in);

    System.out.println("Enter your age:");

    int age = obj.nextInt();

    if (age < 13) {

       System.out.println("Child");

    }

    else if (age < 20) {

       System.out.println("Teenager");

    }

    else if (age < 60) {

       System.out.println("Adult")

    }

    else {

       System.out.println("Senior Citizen");

    }

}}
```

5.Password Length Check

If password length is **less than 8**, show *"Weak password"*.

```java
package com.index;

import java.util.Scanner;

public class ass1_pass {

    public static void main(String[] args) {

        System.out.println("Enter password:");

        Scanner sc = new Scanner(System.in);

        String password = sc.nextLine();

        if (password.length() < 8) {

            System.out.println("Weak password");

        } else {

            System.out.println("Strong password");

        }

    }

}
```