WHILE LOOP

1. Write a program to reverse a given number and print.

```java
package Training;
import java.util.Scanner;
public class Reverse {
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    int n=sc.nextInt();
    while(n>0) {
        int rem=n%10;
        System.out.print(rem+" ");
        n/=10;
}
}
}
```

```
<terminated> R
9876
6 7 8 9
```

2. Write a program to find if the given number is palindrome or not.

```java
package Training;
import java.util.Scanner;
public class Palindrome {
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    int n=sc.nextInt();
    int orginal=n;
    int reverse=0;
    while(n>0) {
        int rem=n%10;
        reverse=reverse*10+rem;
        n/=10;
    }
    if(orginal==reverse) {
        System.out.println("Palindrome");

    }
    else {
        System.out.println("Not palindrome");
    }
}
}
```

```
<terminated> Palindrc
11211
Palindrome
```

3.write a program to print the first 5 values which are divisible by 2,3 and 5.

```java
package Training;
import java.util.Scanner;
public class Diviablerule {
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    int n=1;
    int count=0;
    while(count<=5) {
        if(n%2==0 && n%3==0 && n%5==0) {
            System.out.print(n+" ");
            count++;
        }
        n++;
    }
}
}
```

```
<terminated> Diviablerule [Ja
30 60 90 120 150 180
```

4.Write a program to find if the given number is Armstrong or not.

```java
package Training;
import java.util.Scanner;
public class Armstrong {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int org=n;
        int count=0;
        int sum=0;
        int temp=n;
        while(temp>0) {
            count++;
            temp/=10;
        }
    temp=n;
        while(temp>0) {
            int rem=temp%10;
            int power=1;
            for(int i=0;i<count;i++) {
                power*=rem;
            }
            sum+=power;
            temp/=10;
        }
        if(org==sum) {
            System.out.println("Armstrong");

        }
        else {
            System.out.println("Not armstrong ");
        }
    }
    }
```

```
<terminated> Armstrong [Ja
153
Armstrong
```