

1 . Palindrome Number

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int n = 454,temp,r;
        int sum = 0;

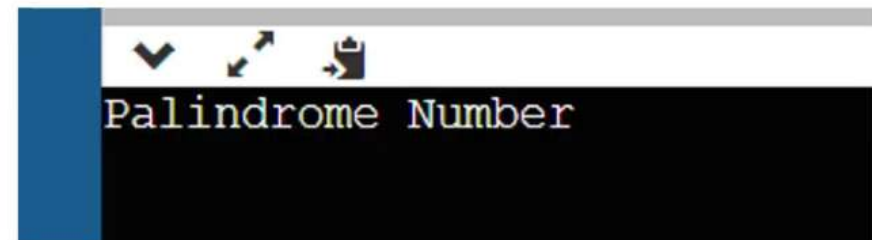
        temp = n;

        while(n!=0)
        {
            r = n % 10; // Getting Remaindar
            sum = (sum*10) + r ;
            n = n/10;

        }

        if(temp==sum)
        {
            System.out.println("Palindrome Number");
        }
        else
        {
            System.out.println("Not Palindrome Number");
        }

    }
}
```



2. Sum of Number (User Input.)

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

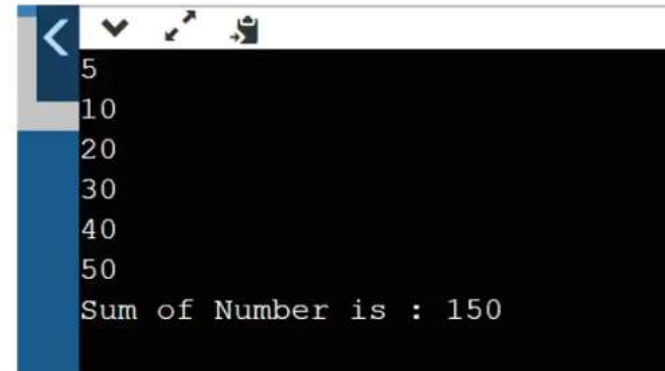
        int size = sc.nextInt();
        int sum=0;
        int a[] = new int[size];

        for(int i=0;i<=size-1;i++)
        {
            a[i]=sc.nextInt();
        }

        for(int i=0;i<=size-1;i++)
        {
            sum = sum + a[i];
        }

        System.out.println("Sum of Number is : " + sum);

    }
}
```

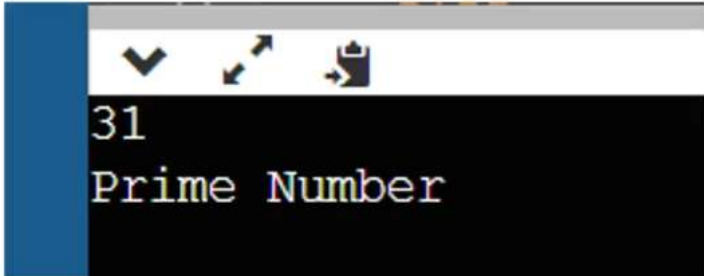


```
< v ↗ ↘ 📄
5
10
20
30
40
50
Sum of Number is : 150
```

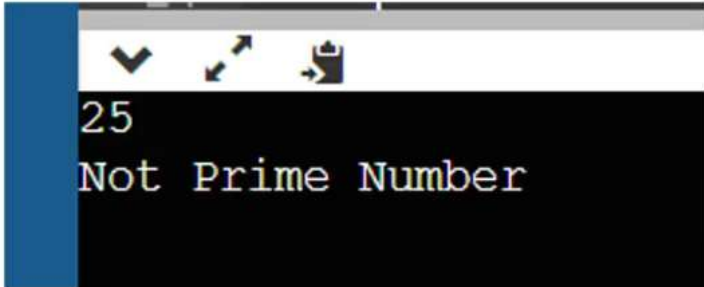
3. Check Prime Number

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int a = sc.nextInt(); // 25 , 31
        int c = 0 ;
        for(int i=2; i<= a/2; i++)
        {
            if(a % i == 0)
            {
                c = c+1;
                break;
            }
        }
        if(c==1)
        {
            System.out.println("Not Prime Number");
        }
        else
        {
            System.out.println("Prime Number");
        }
    }
}
```



31
Prime Number



25
Not Prime Number

4. Reverse String

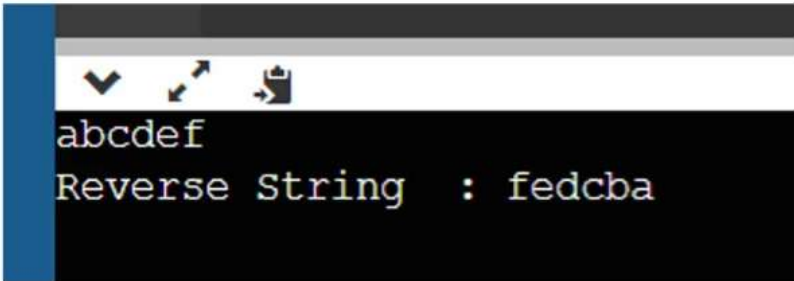
```
import java.util.*;
public class Main
{
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        String rev = "";
        String a = sc.nextLine();
        char ch [] = a.toCharArray();

        for(int i=ch.length-1;i>=0;i--)
        {
            rev = rev + ch[i];
        }

        System.out.println("Reverse String : " + rev);
    }
}
```



abcdef
Reverse String : fedcba

5. Reverse Number

```
Main.java
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         int num = sc.nextInt();
9         int rem, sum=0;
10
11         while(num!=0)
12         {
13             rem = num %10;
14             sum = (sum*10)+rem;
15             num = num/10;
16         }
17
18         System.out.println("reverse number : " + sum);
19     }
20 }
21
22
```

input

123456
reverse number : 654321

6. Pattern Question

```
Main.java
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         for(int i=1;i<=5;i++)
9         {
10             for(int j=1; j<=i; j++)
11             {
12                 System.out.print(" * ");
13             }
14
15             System.out.println();
16         }
17
18     }
19 }
20
21
```

input

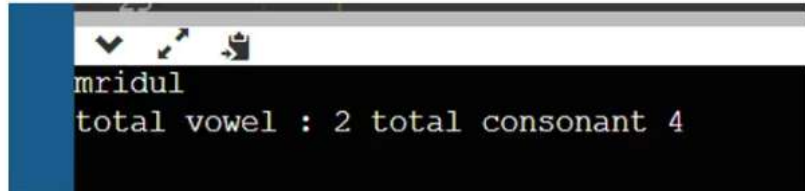
```
*
* *
* * *
* * * *
* * * * *
```

7. Count vowel and consonant

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        String str = sc.nextLine();
        str = str.toLowerCase();
        char ch [] = str.toCharArray();
        int vowel=0, cons=0;

        for(int i=0;i<ch.length;i++)
        {
            if(ch[i]=='a' || ch[i]=='e' || ch[i]=='i' || ch[i] == 'o' || ch[i]=='u')
            {
                vowel = vowel + 1;
            }
            else
            {
                cons = cons + 1;
            }
        }
        System.out.println("total vowel : " + vowel + " total consonant "+cons);
    }
}
```



```
mridul
total vowel : 2 total consonant 4
```


8. Swapping two Number without third Variables

```
Main.java
1  import java.util.*;
2  public class Main
3  {
4      public static void main(String[] args) {
5
6          Scanner sc = new Scanner(System.in);
7
8          int x = 20 ;
9          int y = 30 ;
10
11          x = x + y ;
12          y = x - y ;
13          x = x - y;
14
15          System.out.println("x = " + x + " y = " + y);
16
17      }
18  }
19
```

input

x = 30 y = 20

9. Search element in an Array

```
Main.java
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         int size = sc.nextInt();
9         int arr[] = new int[size];
10        int c = 0;
11
12        for(int i=0;i<arr.length;i++)
13        {
14            arr[i] = sc.nextInt();
15        }
16        System.out.println("Search element");
17        int search = sc.nextInt();
18
19        for(int i=0;i<arr.length;i++)
20        {
21            if(arr[i]==search)
22            {
23                c = c+1;
24                break;
25            }
26        }
27        if(c==1)
28        {
29            System.out.println("Element found");
30        }
31        else
32        {
33            System.out.println("Element not found");
34        }
35    }
36 }
37
38
39
```

```
5
10
20
30
40
50
Search element
40
Element found
```

10. Bubble sort

```
Main.java
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5
6         Scanner sc = new Scanner(System.in);
7
8         int arr[] = {30, 50, 10, 60, 20};
9         int temp;
10
11         for(int i=0;i<arr.length;i++)
12         {
13             for(int j = i+1 ; j<arr.length;j++)
14             {
15                 if(arr[i]>arr[j])
16                 {
17                     temp = arr[i];
18                     arr[i] = arr[j];
19                     arr[j] = temp;
20                 }
21             }
22         }
23
24         for(int i=0;i<arr.length;i++)
25         {
26             System.out.print(arr[i]+" ");
27         }
28     }
29 }
30
31
32
```

```
20
21
10 20 30 50 60
Program finished with exit code 0
```