LOGIC SESSION ASSIGNMENT - 1

RONAK V KULKARNI **250844520070**

Q1. Accept a number from user - if it is divisible by 3 print “fun”, if it is divisible by 7 print “buzz” and if it is divisible by both(3,7) print “fun -buzz”. [Two answer]

CODE_1

```java
import java.util.Scanner;
import static java.lang.System.out;

public class code1_funBuzz {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		Scanner sc = new Scanner(System.in);

		out.println("Enter a Number ");
		int num  = sc.nextInt();

		if(num%3==0)
			out.print("fun ");
		if(num%7==0)
			out.print("buzz");

	}

}
```

CODE_2

```java
import static java.lang.System.out;

import java.util.Scanner;

public class code1_2_funBuzz {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		Scanner sc = new Scanner(System.in);

		out.println("Enter a Number ");
```

```
            int num  = sc.nextInt();

            if(num%3==0 && num%7==0)
                  out.print("fun buzz");
            else if(num%3==0)
                  out.print("fun ");
            else if(num%7==0)
                  out.print("buzz");
      }

}
```

Q2. Accept a start number from user and end number from user. Print all odd number between start and end number. [Two Answer]

CODE 1

```
import static java.lang.System.out;
import java.util.Scanner;

public class code2_1_PrintOdd {

      public static void printOdd(int s, int e)
      {


            for(int i = s; i<=e; i++)
                  if(i%2!=0)
                        out.print(i+" ");
      }
      public static boolean isEven(int num)
      {
            return num%2==0;
      }
      public static void main(String[] args) {
            // TODO Auto-generated method stub


            Scanner sc = new Scanner(System.in);
            out.print("Enter the start Number ");
            int s_num = sc.nextInt();
            out.print("Enter the end Number ");
            int e_num = sc.nextInt();

            printOdd(s_num, e_num);

      }

}
```

CODE_2

```java
import static java.lang.System.out;

import java.util.Scanner;

public class code2_2_PrintOdd {

	public static void printOdd(int s, int e)
	{
		boolean b = isEven(s);
		if(b)
			s = s+1;
		for(int i = s; i<=e; i=i+2)
			out.print(i+" ");
	}
	public static boolean isEven(int num)
	{
		return num%2==0;
	}
	public static void main(String[] args) {
		// TODO Auto-generated method stub


		Scanner sc = new Scanner(System.in);
		out.print("Enter the start Number ");
		int s_num = sc.nextInt();
		out.print("Enter the end Number ");
		int e_num = sc.nextInt();

		printOdd(s_num, e_num);

	}

}
```

Q3. Accept a number from user and check if it is palindrome number or not eg (121)

CODE

```
import static java.lang.System.in;
import static java.lang.System.out;

import java.util.Scanner;

public class code3_PallindromeNumber {

	public static boolean Pallindrome(int n)
	{
		boolean b ;
		int temp = n, rev = 0;
		while(temp!=0)
		{
			rev = (rev*10) + (temp%10);
			temp = temp/10;
		}
		return rev == n;
	}

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		Scanner sc = new Scanner(System.in);
		out.println("Enter a Number ");
		int num  = sc.nextInt();

		if(Pallindrome(num))
			out.print("Number is a Pallindrome ");
		else
			out.print("The entered Number is not a Pallindrome");
	}

}
```

Q4. Accept a term from user and print Fibonacci series.

CODE

```
import static java.lang.System.out;
import java.util.Scanner;

public class code4_Fibonacci {

	public static void printFib(int n)
	{
		int pt = 0;
		int ct = 1;
		int nt = 0;
		if(n==1)
			out.print(pt+" ");
		if(n==2)
			out.print(ct+" ");
		if(n>2)
		{
			for(int i = 0; i<n-2; i++)
			{

				nt = pt + ct;
				out.print(nt+" ");
				pt = ct;
				ct = nt;
			}
		}

	}

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		Scanner sc = new Scanner(System.in);
		out.println("Enter the number of elements to be printed from
Fibonacci series");
		int num = sc.nextInt();

		printFib(num);

	}

}
```