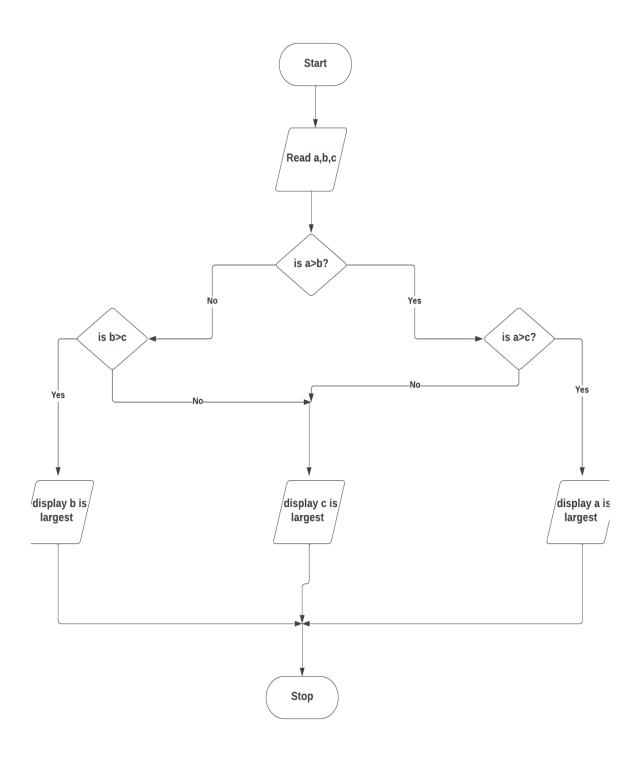
Name: Rupa Karella

Day1 Tasks

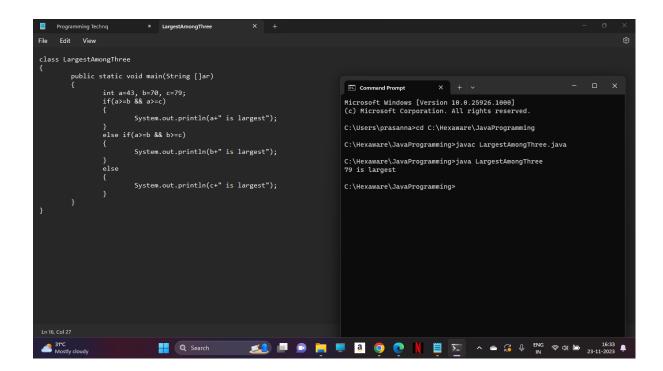
1. a.Flowchart to find the largest among three numbers



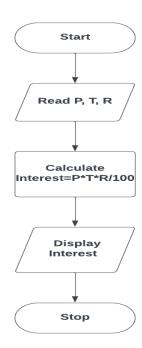
b. Algorithm to find the largest among three numbers

```
Step 1: Begin
2: Read a,b,c
3: if a>b
3.1: if a>c
3.1.a: Display a is largest
3.2: else if b>c
3.2.a: Display b is largest
3.3: else Display c is largest
4: End.
```

c. Java program to find the largest among three numbers



2. a.Flowchart to find the Simple Interest



b. Algorithm to find the Simple Interest

Step 1: Begin

- 2: Read P, T, R
- 3: Calculate Interest= P*T*R/100
- 4: Display Interest
- 5: End.

c. Java program to find the Simple Interest

```
File Edit View

Class SimpleInterest

{

public static void main(String []ar)

{

int P=10000, T=3, R=2;

double Interest;

Interest = P*T*R/100;

System.out.println("Interest is "+Interest);

}

| Microsoft Windows [Version 10.0.25926.1000]
| (c) Microsoft Corporation. All rights reserved.

C:\Users\prasanna>cd C:\Hexaware\JavaProgramming

C:\Hexaware\JavaProgramming>java SimpleInterest

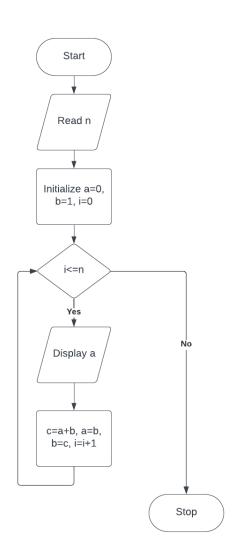
Interest is 600.0

C:\Hexaware\JavaProgramming>

C:\Hexaware\JavaProgramming>

| Different Corporation | Different Cor
```

3. a.Flowchart to display Fibonacci Series



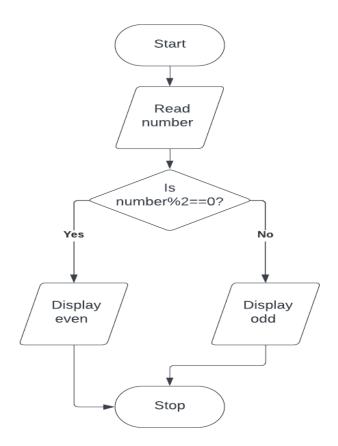
b. Algorithm to display Fibonacci Series

- Step 1: Start
 - 2: Read n
 - 3: Initialise variables: a=0, b=1, i=0
 - 4: while i<=n, Repeat the following steps
 - 4.1: Display a
 - 4.2: c=a+b
 - 4.3: a=b
 - 4.4: b=c
 - 4.5: i=i+1
 - 5. End

c. Java program to display Fibonacci Series

```
class FibonacciSeries
        public static void main(String[] ar)
                int n=9;
                int a=0, b=1;
                System.out.println("Fibonacci Series:");
                for (int i=0; i<=n; i++)
                        System.out.print(a+ " ");
                        int c=a+b;
                                      Command Prompt
                                                    × + -
                        a=b;
                        b=c;
                }
                                      C:\Hexaware\JavaProgramming>java FibonacciSeries.java
                                      Fibonacci Series:
0 1 1 2 3 5 8 13 21 34
C:\Hexaware\JavaProgramming>
}
                    Q Search
```

4. a.Flowchart to find a number is even or odd



b. Algorithm to find a number is even or odd

Step 1: Begin

2: Read number

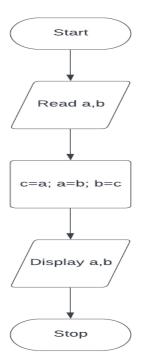
3: if number%2==0, display even

4: else Display odd

5: End.

c. Java program to find a number is even or odd

5. a.Flowchart to swap two numbers using temporary variable



b. Algorithm to swap two numbers using temporary variable

Step 1: Begin

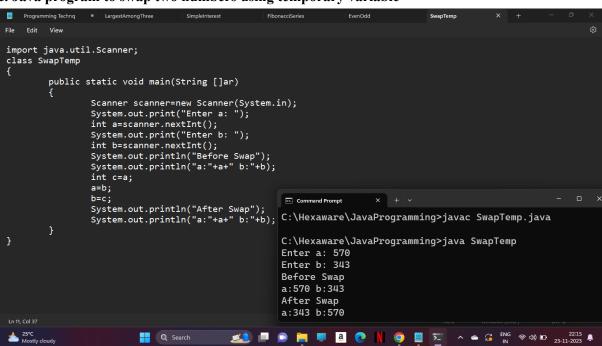
2: Read a,b

3: c=a; a=b; b=c

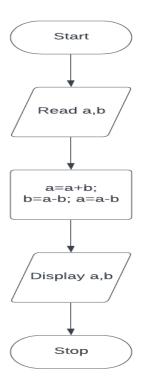
4: Display a,b

5: End.

c. Java program to swap two numbers using temporary variable



6. a.Flowchart to swap two numbers without using temporary variable

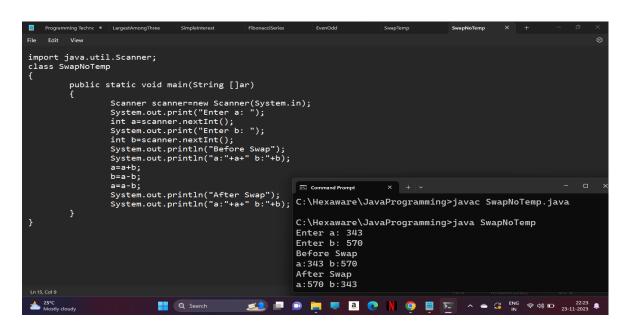


b. Algorithm to swap two numbers without using temporary variable

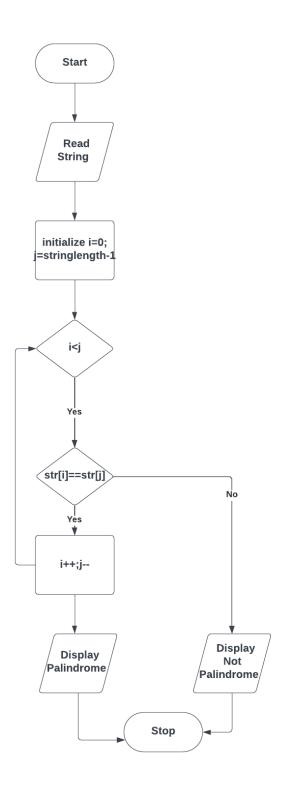
Step 1: Begin

- 2: Read a,b
- 3: a=a+b; b=a-b; a=a-b
- 4: Display a,b
- 5: End.

c. Java program to swap two numbers without using temporary variable



7. a.Flowchart to find a given string is palindrome or not

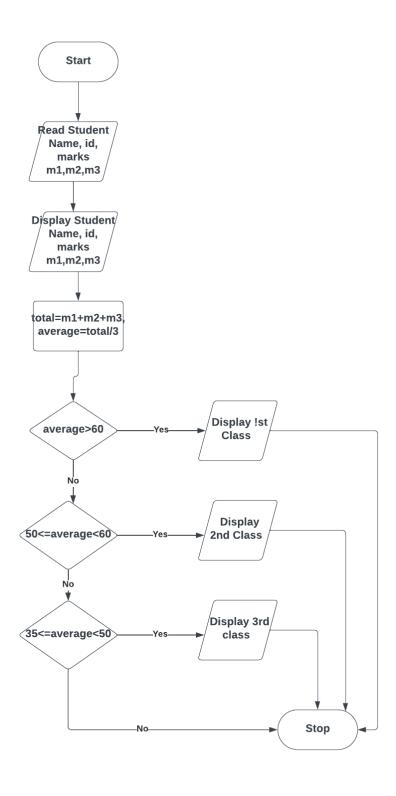


b. Algorithm to find a given string is palindrome or not

```
Step 1: Start
2: Read String
3: Initialise i=0, j=string length-1
4: while i<j repeat
4.1: if str[i]!=str[j]
4.1.a: Display NOT PALINDROME and goto step 6
4.2: else
4.2.a: i++;j-
5: Display Palindrome
6: Stop
```

c. Java program to swap two numbers without using temporary variable

8. a.Flowchart to print student details



b. Algorithm to print student details

Step 1: Start

2: Read Student Name, id, marks m1, m2, m3

3: Display Student Name, id, marks m1, m2, m3

4: Calculate total=m1+m2+m3, average=total/3

5: if average>=60

5.1: Display 1st Class and goto step 8

6: else if 50<=average<60

6.1: Display 2nd Class and goto step 8

7: else if 35<=average<50

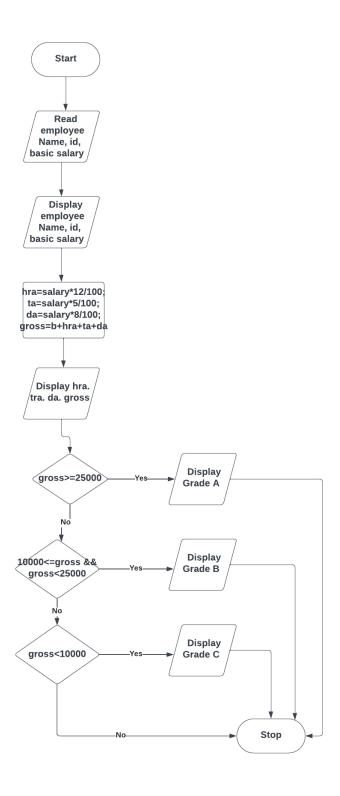
7.1: Display 3rd Class and goto step 8

8: Stop

c. Java Program to print student details

```
Edit View
import java.util.Scanner;
class StudentDetails
          public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
System.out.print("Enter Student Name: ");
                                                                           C:\Hexaware\JavaProgramming>javac StudentDetails.java
                                                                           C:\Hexaware\JavaProgramming>java StudentDetails
          String studentName = scanner.nextLine();
                                                                           Enter Student Name: Rupa Karella
                                                                           Enter Student ID: 570
          System.out.print("Enter Student ID: ");
int studentID = scanner.nextInt();
                                                                          Enter Marks for Subject 1: 85
                                                                           Enter Marks for Subject 2: 76
          System.out.print("Enter Marks for Subject 1: "); Enter Marks for Subject 3: 88
          int m1 = scanner.nextInt();
          System.out.print("Enter Marks for Subject 2: "); Student Details:
          int m2 = scanner.nextInt();
                                                                           Name: Rupa Karella
                                                                           ID: 570
          System.out.print("Enter Marks for Subject 3: "); Marks - Subject 1: 85
          system.out.print( Enter Marks Tor Subject 3: )
int m3 = scanner.nextInt();
System.out.println("\nStudent Details:");
System.out.println("Name: " + studentName);
System.out.println("ID: " + studentID);
System.out.println("Marks - Subject 1: " + m1);
System.out.println("Marks - Subject 2: " + m2);
System.out.println("Marks - Subject 3: " + m3);
                                                                          Marks - Subject 2: 76
                                                                          Marks - Subject 3: 88
                                                                          Class: 1st Class
          int total = m1 + m2 + m3;
double average = total / 3:
                                                                                                                                       へ 👝 📜 ENG 🛜 ゆ) 🕞 23:56 💂
                                                                   🚅 💷 🗩 📜 🧸 🔃 🚺
                                        Q Search
```

9. a.Flowchart to print employee details



b. Algorithm to print Employee details

- Step 1: Start
 - 2: Read Employee Name, id, basic salary b
 - 3: Display Student Name, id, basic salary b
 - 4: Calculate hra=b*12/100; ta=b*5/100; da=8*b/100; gross= hra+ta+da+b
 - 5: Display hra, ta, da, gross
 - 6: if gross>=25000
 - 6.1: Display Grade A and goto step 9
 - 7: else if 10000<=gross<25000
 - 7.1: Display Grade B and goto step 9
 - 8: else if gross<10000
 - 8.1: Display Grade C and goto step 9
 - 9: Stop

c. Java Program to print Employee details

