Program:

import java.util.\*;

public class TW2{

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

ArrayList<Integer> Aint = new ArrayList<>();

ArrayList<Float> Afloat = new ArrayList<>();

while(true){

System.out.println("1. Add Elements(Integers)\n2. Add Elements(Float)\n3. Search Element(Integer)\n4. Search Element(Float)\n5. Exit");

System.out.print("Enter your choice: ");

int choice = s.nextInt();

switch(choice){

case 1: System.out.print("Enter the Number of Elements: ");

int n1 = s.nextInt();

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

for(int i = 0; i < n1; i++){

int ele = s.nextInt();

Aint.add(ele);

}

System.out.println("Entered Elements are: " + Aint);

break;

case 2: System.out.print("Enter the Number of Elements: ");

int n2 = s.nextInt();

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

for(int i = 0; i < n2; i++){

float ele = s.nextFloat();

Afloat.add(ele);

}

System.out.println("Entered Elements are: " + Afloat);

break;

case 3: System.out.println("Enter the Element to Search in an Integer array: ");

int Iele = s.nextInt();

if(!Aint.isEmpty()){

if(Aint.contains(Iele))

System.out.println("Element " + Iele + " found");

else

System.out.println("Element " + Iele + " Not Found");

}

else

System.out.println("Array is Empty");

break;

case 4: System.out.println("Enter the Element to Search in an Integer array: ");

float Fele = s.nextFloat();

if(!Afloat.isEmpty()){

if(Afloat.contains(Fele))

System.out.println("Element " + Fele + " found");

else

System.out.println("Element " + Fele + " Not Found");

}

else

System.out.println("Array is Empty");

break;

default: System.exit(0);

}

}

}

}

TERMWORK – 02

NAME – KAVYA TIGADI

USN – 2GI20CS048

Output:

