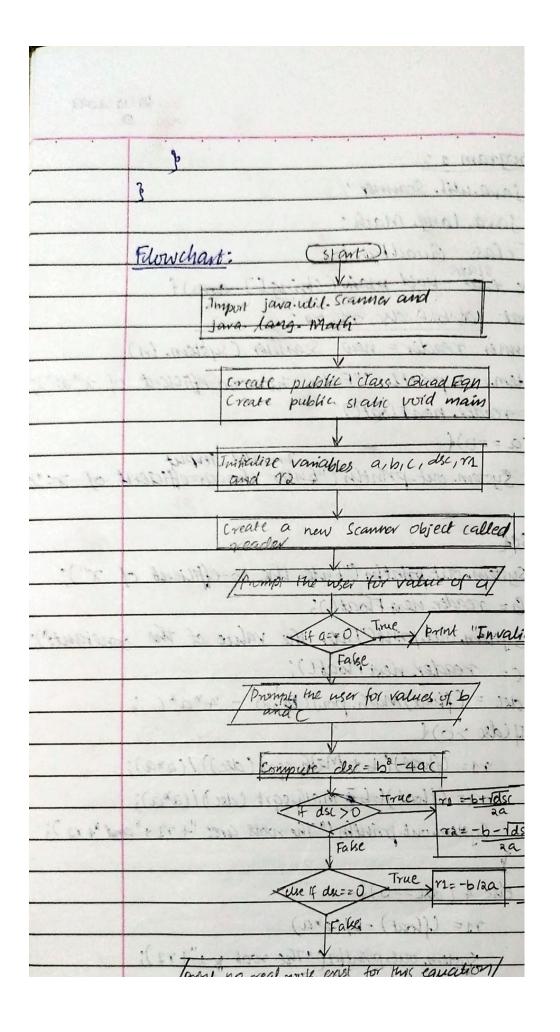
Page
Lab Program 1:
import java. util. Scanner,
import java lang. Math;
public class Quad Egn of
public the void main (string[] args) {
float a, b, c, ds, vs, vz;
Scanner reader= new Scanner Csystem.
Systemout printly C"Enter two co-efficient
a = reader, nextfloat();
if(a==0)
System. out. printly butter the weffice
3
elses -
System. out-printly ("Enter the co-efficient
B= reader next Float();
System. out. print ("Enter the value of the
C= reader. next Float();
dec = (float) Math. pow (b, 2) - 4 * a * C
4(dx >0)4
rs= (float) (-b + Math.sgrt (dec)) / (2*
nz (float) (-6 = Math-sgrt (dec) / (2 = a
System out print "The nots are: "+ 12
else if (dsc==0) {
71= (float) -b/(a*a)
"System. out. println ("The root &:"+ 72
a to the second



Page
3 Tendan
Enter the co-efficient value of the cornect
The work are riz -1.0 and 2= -2-1
3 Enter the co-efficient of x^2:
Enter the co-efficient of x:
Enter the so value of the constant
There are no real noots for this equa
3 Enter the co-efficient of x^2:
Enter the coefficient of x:
Enter the value of the constant:
The voot is: Lo
1 Enter the co-efficient of x2
Invalid inpul
Day 2
The second of th

```
C:\Users\bmsce\Desktop\1BM22CS024>java QuadEqn
Enter the co-efficient of x^2:

1
Enter the co-efficient of x:

3
Enter the value of the constant:

2
The roots are r1 = -1.0 and r2 = -2.0
Agneya D A 1BM22CS024
```

```
C:\Users\bmsce\Desktop\1BM22CS024>java QuadEqn
Enter the co-efficient of x^2:
100
Enter the co-efficient of x:
1
Enter the value of the constant:
1
There are no real roots for this equation
Agneya D A 1BM22CS024
```

```
C:\Users\bmsce\Desktop\1BM22CS024>java QuadEqn
Enter the co-efficient of x^2:

1
Enter the co-efficient of x:
-2
Enter the value of the constant:

1
The root is: 1.0
Agneya D A 1BM22CS024
```

```
C:\Users\bmsce\Desktop\1BM22CS024>java QuadEqn
Enter the co-efficient of x^2:
0
Invalid input
```