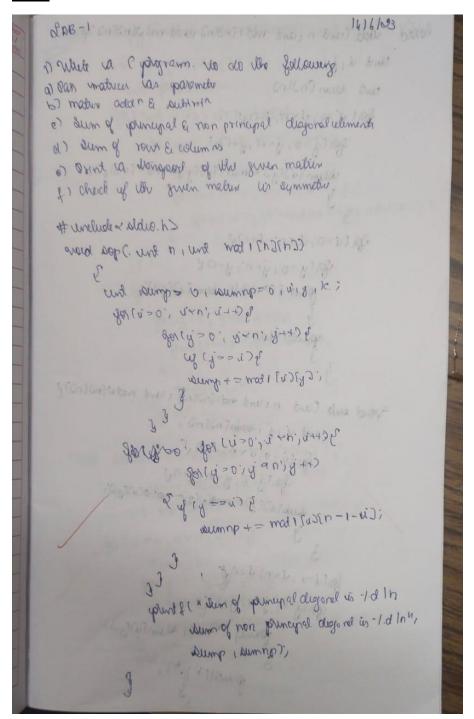
OS LAB-1

Q)Write a C program to do the following-

- a)Pass matrices as paramteres
- b)Matrix addition and subtraction
- c)Sum of principal and non principal diagonal elements
- d)Sum of rows and columns
- e)Print transpose of given matrix
- d)check if symmetric or note

CODE



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        galant 10, in it, it will
           Jan and i-0. 244, it will
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        print f(" Symmetre");
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    und mini disco i vidition.
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   brigge sign door for wager ( 142);
      Ja (120) 1, LUITHU
        of forty of your year) &
           (Clyscarbons 1 4 b-1-4) grasses
      found (" Enter the dalus for malier of Int)
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                     dold 20.1 1 4 4, 18 tt) b)
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plurts ("Moru n). Adalaho m. S. Subbrdies In 3 Mulliplication In aujo 6. Sum of principal & non prompts disgorals In 5. Sum of vous Ecolumns In 6. Transpar In 2. Sy minuter In 8 and min While(1) purt ("Enter chois (n")), 3. Nu beanfin-1-d " (behow); Whatch Cohocces Ya Day 1: Odd (n 1 mol 1 mols), SI Shop! Made: all (nindinds) Entu dount; stous: some or mullipsy in, mali mod s); 3 Entu Muak! wave 4: usop in , med 1): Strick, soon 5: warmer (nimed imple) Ireak; Mass 6; bronger (nimetr) chiak; was 4; sym (nimoti); Sarak . vaca 8: erulion; default: which the Wrong drove (n"),

OUTPUT-

```
Enter the values of n for nxn and matrix
Enter the values for matrix 1
4
3
1
7
9
1
2
Enter the values for matrix 2
3
7
9
4
1
4
6
7
```

```
Menu
1.Addition
2.Subtraction
3.Multiplication
4.Sum of principle and non principle diagonals
5.Sum of rows and columns
6.Transpose matrix
7. Check if the matrix is symmetric
8.Exit
Enter your choice
1
5 7 10
10 11 10
5 8 8
Enter your choice
2
1 1 -4
-8 3 8
-3 -4 -6
Enter your choice
3
54 43 46
101 85 77
24 17 16
Enter your choice
sum of principle diagonal is 11
sum of non principle diagonal is 11
```

```
Enter your choice
5
3 4 3 10
1 7 9 17
1 2 1 4
5 13 13 0
Enter your choice
6
3 1 1
4 7 2
3 9 1
Enter your choice
7
not symmetric
```