

19/12/2023

Ques. 5) Write a C/Java program to accept a number n from the user & print n no. of output as given below if $n=4$

1

2 3

4 5 6

7 8 9 10

include <stdio.h>

int main (void) {

int i, j, n, x = 1;

scanf ("%d", &n);

for (i = 1; i <= n; i++) {

for (j = 1; j <= i; j++) {

printf ("%d \t", x);

++x;

}

printf ("\n");

}

4. Write a C/Java program to accept the CIE marks (out of 50) & SEE marks (out of 100) of a student & print higher grade. Use if... else if ladder.

```
#include <stdio.h>
int main()
{
    int C, S;
    float f;
    printf("Enter your CIE ( / 50) & SEE ( / 100) marks respectively : \n");
    scanf("%d %d", &C, &S);
    C = C + S / 2;
    printf("Grade : ");
    if (C < 10 & f < 70)
        printf("S");
    elseif (C >= 80)
        printf("A");
    elseif (C >= 70);
        printf("B");
    elseif (C >= 60)
        printf("C");
    elseif (C >= 50)
        printf("D");
    else if (C >= 40)
        printf("E");
    else if (C >= 0)
        printf("Fail");
    return 0;
}
```

5 write a C/Java program to print the prime numbers between given two integers (inclusive). Accept these two integers from the user

#include <stdio.h>

int main (void)

{

int a, b, i, j, flag;

printf ("Enter two numbers increasing order:");

scanf ("%d %d", &a, &b);

for (i = a; i <= b; ++i)

{

flag = 0;

for (j = 2; j <= i/2; ++j)

{

if (i % j == 0) {

flag = 1;

break

}

}

if (flag == 0) {

printf ("%d \n", i);

}

}

}