

## WEEK WEEK 2.

1

2 3

4 5 6

7 8 9 10

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
clrscr();
```

```
int n, i, c=1, j, c=0;
```

```
for (i=1; i<=
```

```
printf("Enter the value of n\n");
```

```
scanf("%d", &n);
```

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

```
{
```

```
printf("%d", c++);
```

```
}
```

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

```
{
```

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

```
{
```

```
printf("%d", cc++);
```

```
}
```

```
printf("\n");
```

```
}
```

```
getch();
```

```
}
```



2. Write a C program to accept the CIE marks and SEE marks of student and print his/her grade. Use else if ladder.

```
#include <stdio.h>
void main()
```

```
{
    clrscr();
    int see, cie, subject, avg;    char grade;
    for(i=0; i<=4; i++)
```

```
{
    printf("Enter the subject name");
    scanf("%s", subject);
    printf("Enter the CIE marks");
    printf("Enter the SEE marks");
    scanf("%d %d", &cie, &see);
    avg = cie + (see/2);
    if (avg >= 90 && avg <= 100)
```

```
    printf
for s per
```

in

```
printf("For subject %s the grade is"
      subject);
```

```
if (avg >= 90 && avg <= 100)
    printf("S"); grade = 'S';
```

```
if (avg >= 80 && avg <= 89)
    printf("A"); grade = 'A';
```

```
if (avg >= 70 && avg <= 79)
    printf("B"); grade = 'B';
```

```
if (avg >= 60 && avg <= 69)
    printf("C"); grade = 'C';
```



if (avg >= 50 && avg <= 59)  
~~print("D")~~ grade = 'D';

if (avg >= 40 && avg <= 49)  
~~print("E")~~ grade = 'E';

if (avg <= 39)  
~~print("F. You failed")~~;  
grade = 'F';

else  
print("Wrong entry of marks");

}

5. Print the prime no. between 2 given numbers.

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
int primecheck(int n)
```

```
{
```

```
int j, flag = 0;
```

```
for (j = 1; j <= n; j++)
```

```
{
```

```
if (n % j == 0)
```

```
flag++;
```

```
}
```

```
return flag;
```

```
}
```



```

int main()
{
    int n1, n2, flag = 1;
    printf("Enter positive numbers\n");
    scanf("%d %d", &n1, &n2);
    printf("The prime nos b/w %d & %d are:", n1, n2);
    for (i = n1; i <= n2; i++)
    {
        flag = 1 primecheck(i);
        if (flag == 2)
            printf("%d\n", i);
    }
    return 0;
}

```