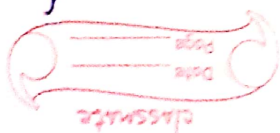


Week 2 programs:-

```
3) #include <stdio.h>
void main()
{
    int i, j, n, sum = 1;
    printf("Enter the value of n = ");
    scanf("%d", &n);
    for (i = 1; i <= n; i++)
    {
        for (j = 1; j <= i; j++)
        {
            printf("%d ", sum++);
        }
        printf("\n");
    }
}
```

```
4) #include <stdio.h>
int main()
{
    float cie_marks[5], see_marks[5], final_marks = 0;
    int i;
    printf("Enter the CIE marks out of 50: \n");
    for (i = 0; i < 5; i++)
    {
        printf("Subject %d: ", i+1);
        scanf("%f", &cie_marks[i]);
    }
    printf("Enter the SEE marks out of 100: \n");
    for (i = 0; i < 5; i++)
    {
        printf("Subject %d: ", i+1);
        scanf("%f", &see_marks[i]);
    }
}
```



```
for(i=0; i<5; i++)  
{  
    final_marks += cie_marks[i] + (see_marks[i]/5);  
}
```

```
final_marks = final_marks / 5;
```

```
if (final_marks >= 90)
```

```
    printf("In The final grade is: S");
```

```
else if (final_marks >= 80)
```

```
    printf("In The final grade is: A");
```

```
else if (final_marks >= 70)
```

```
    printf("In The final grade is: B");
```

```
else if (final_marks >= 60)
```

```
    printf("In The final grade is: C");
```

```
else if (final_marks >= 50)
```

```
    printf("In The final grade is: D");
```

```
else if (final_marks >= 40)
```

```
    printf("In The final grade is: E");
```

```
else
```

```
    printf("In The final grade is: F");
```

```
return 0;
```

```
}
```

5) #include <stdio.h>

int main()

{

int i, j, n, m, flag;

printf("Enter the starting number: ");

scanf("%d", &m);

printf("Enter the ending number: ");

scanf("%d", &n);

for(i=m; i<=n; i++)

{

flag = 0;

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

{

if(i%j==0)

{

flag = 1;

break;

}

}

if(flag==0)

printf("%d", i);

}

return 0;

}