

DOKUZ EYLUL UNIVERCITY

ELECTRIC AND ELECTRONICS ENGINEERING

INTRODUCTION TO PROGRAMING

NAME : Yavuz BALI

NUMBER :2014502021

PRELIMINARY WORK

TASK 1:

a)

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

```
int main()
```

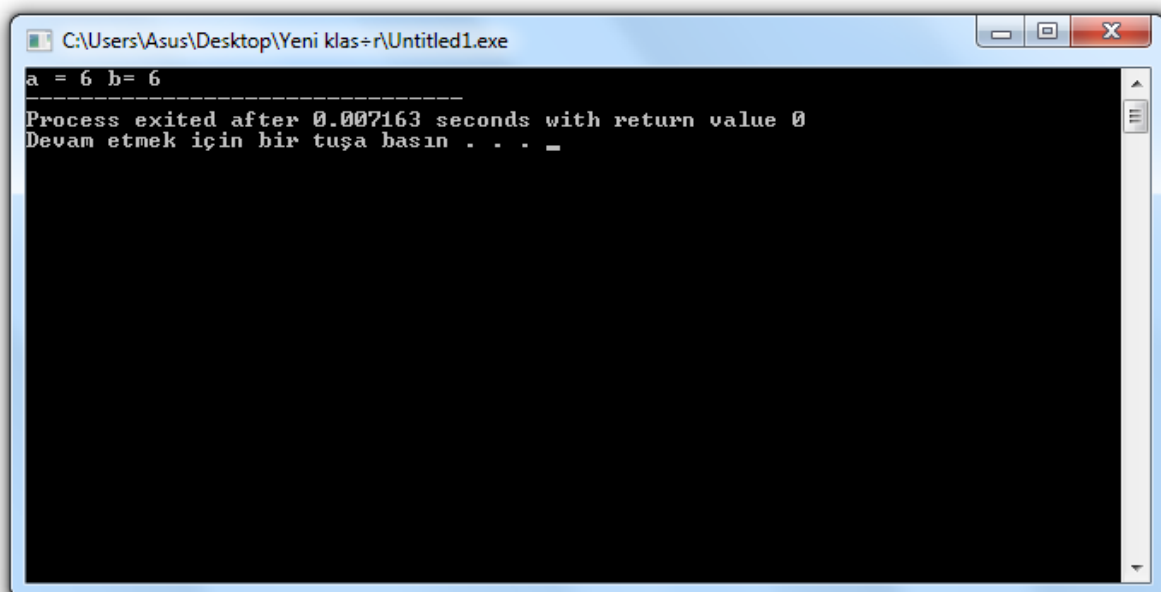
```
{ int a,b;
```

```
    a=5;
```

```
    b=++a; // first 'a' is increasing 1 ,than 'a' assign to 'b'
```

```
    printf("a = %d b= %d ",a,b);
```

```
    return 0; }
```

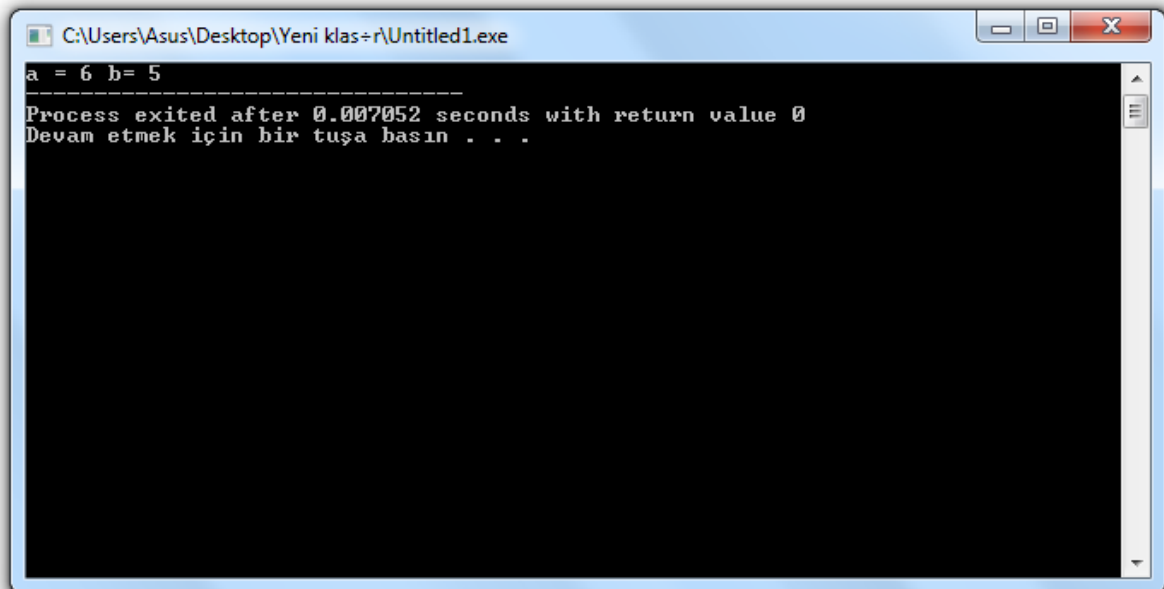


```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
a = 6 b= 6
-----
Process exited after 0.007163 seconds with return value 0
Devam etmek için bir tuşa basın . . . _
```

b)

```
#include<stdio.h>

int main()
{
    int a,b;
    a=5;
    b=a++; // first 'a' assign to 'b' ,than a increasing 1
    printf("a = %d b= %d ",a,b);
    return 0;
}
```

A screenshot of a Windows command prompt window titled "C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe". The window has a black background with white text. The first line of output is "a = 6 b= 5". Below this, there is a separator line of dashes. The next line says "Process exited after 0.007052 seconds with return value 0". The final line is "Devam etmek için bir tuşa basın . . .".

```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
a = 6 b= 5
-----
Process exited after 0.007052 seconds with return value 0
Devam etmek için bir tuşa basın . . .
```

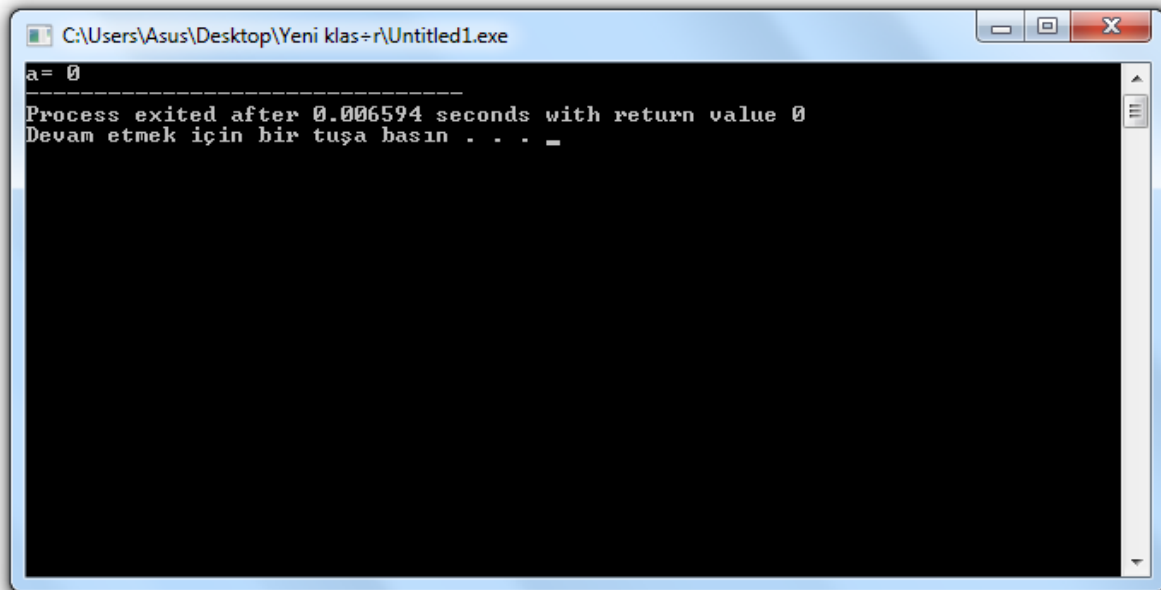
c)

```
#include<stdio.h>

int main()
{ int a;

    a=14*4/2%4*7;//process priority is equal to multiplication,partition and mod so process priority is
    from left to right

    printf("a= %d",a);
    return 0; }
```



```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
a= 0
-----
Process exited after 0.006594 seconds with return value 0
Devam etmek için bir tuşa basın . . . _
```

d)

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

```
int main()
```

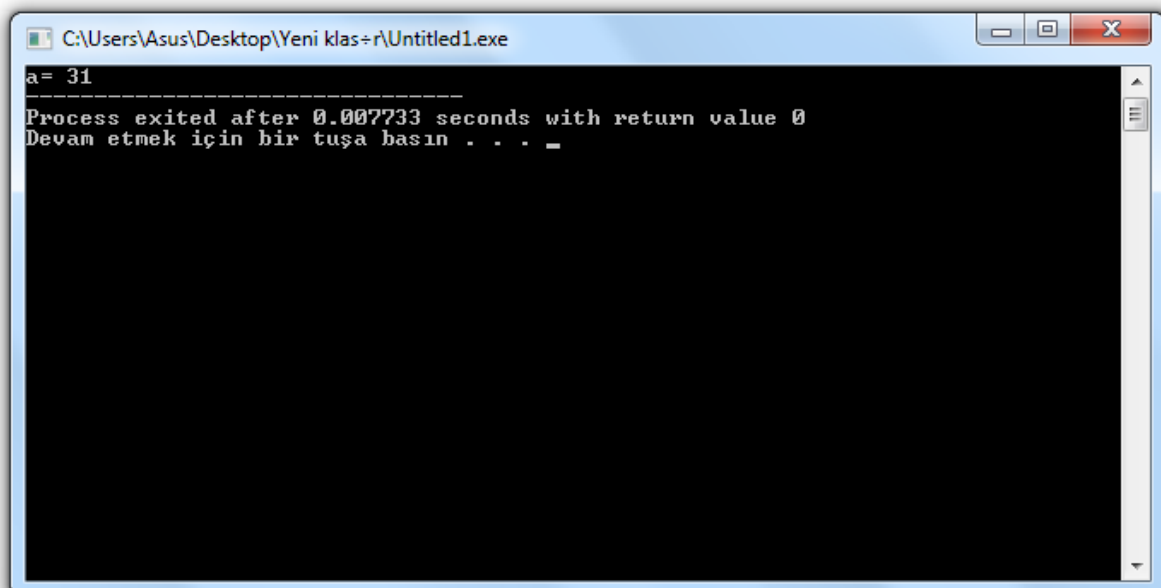
```
{ int a;
```

```
    a=30+7/2-80%5*2-2 //multiplication,divide and mod more earlier than addition and subtraction for  
    process priority
```

```
    printf("a= %d",a);
```

```
    return 0;
```

```
}
```



```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
a= 31
-----
Process exited after 0.007733 seconds with return value 0
Devam etmek için bir tuşa basın . . . _
```

e)

```
#include<stdio.h>

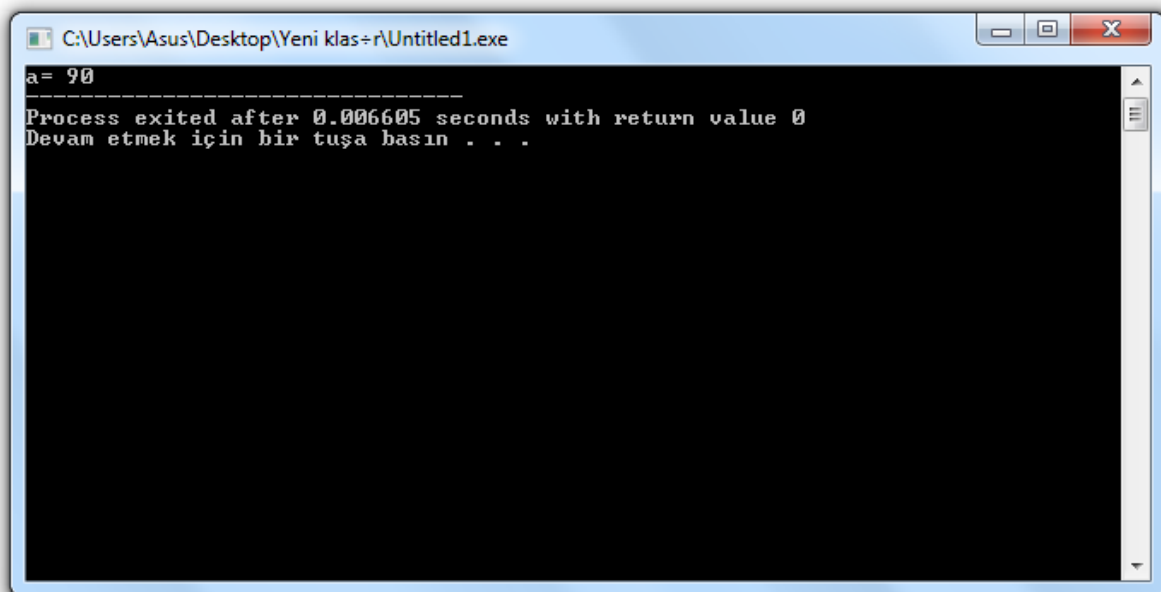
int main()
{   int a;

    a=(9-4)*2+80/(5%2); //the operations inside the parentheses is most earliest for procces prioty

    printf("a= %d",a);

    return 0;

}
```



TASK 2:

a)

```
#include<stdio.h>

#include<stdlib.h>

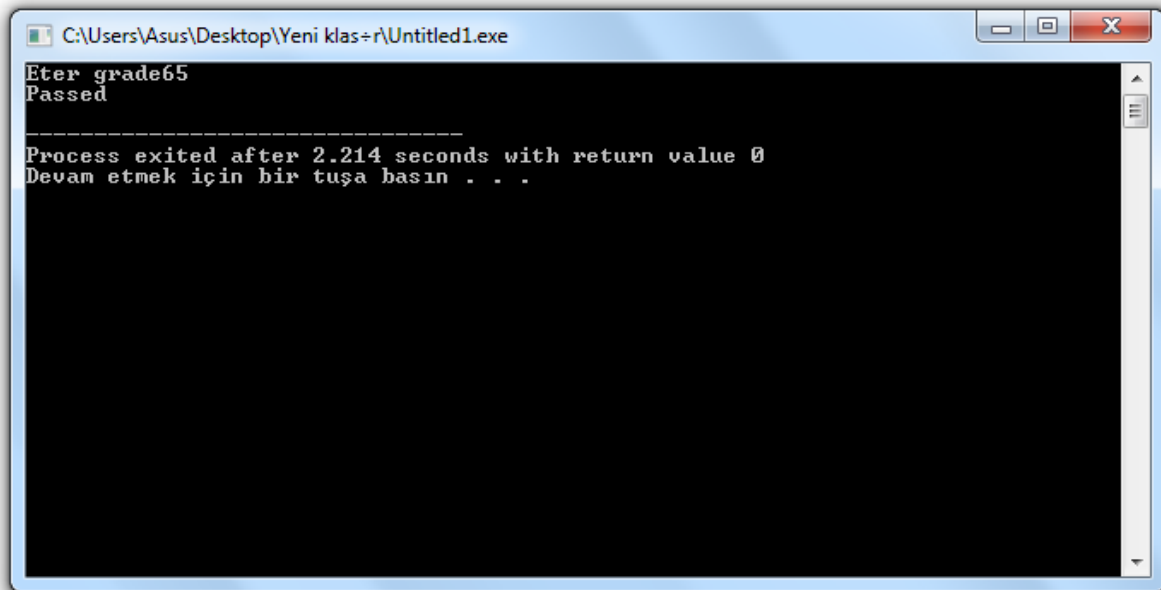
int main()
{   int grade;

    printf("Eter grade");

    scanf("%d",&grade);

    printf("%s\n", grade>=60 ? "Passed" : "Failed");

    return 0; }
```



```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
Eter grade65
Passed
-----
Process exited after 2.214 seconds with return value 0
Devam etmek için bir tuşa basın . . .
```

b) `#include<stdio.h>`

`#include<stdlib.h>`

`int main()`

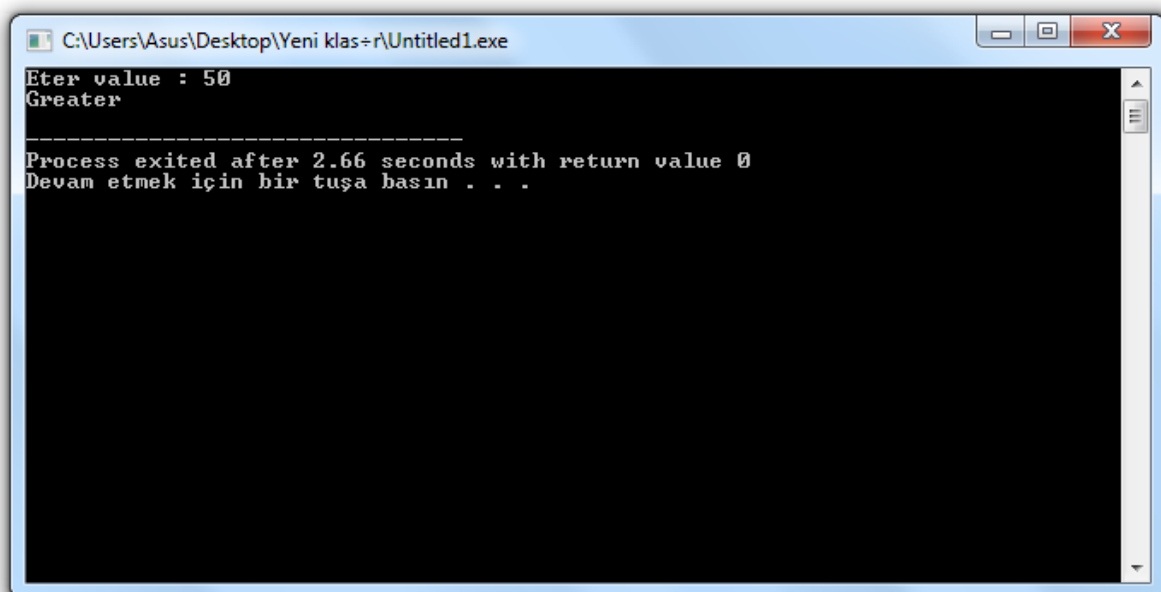
`{ int value;`

`printf("Eter value : ");`

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

`printf("%s\n", value>40 ? "Greater" : " Less");`

`return 0; }`

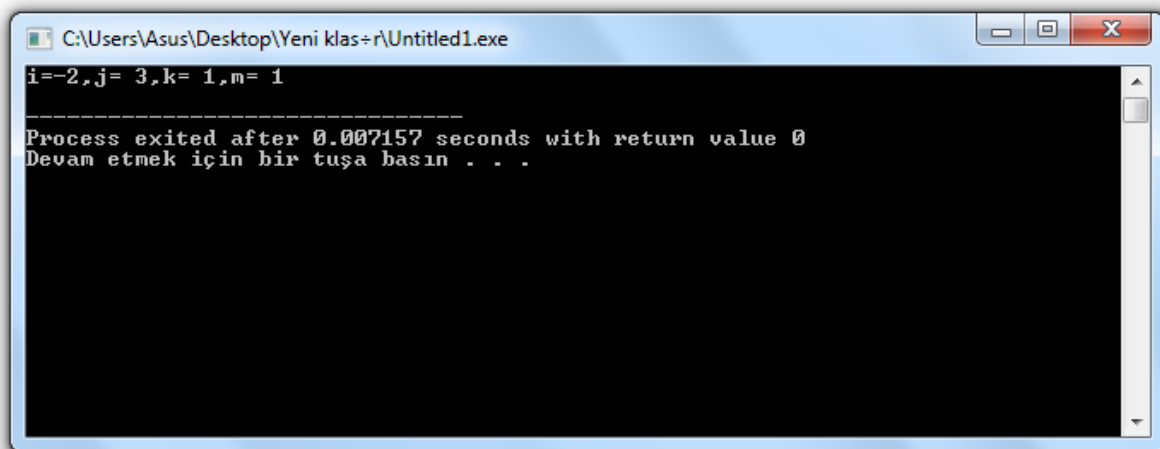


```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
Eter value : 50
Greater
-----
Process exited after 2.66 seconds with return value 0
Devam etmek için bir tuşa basın . . .
```

TASK 3:

a) `#include<stdio.h>`

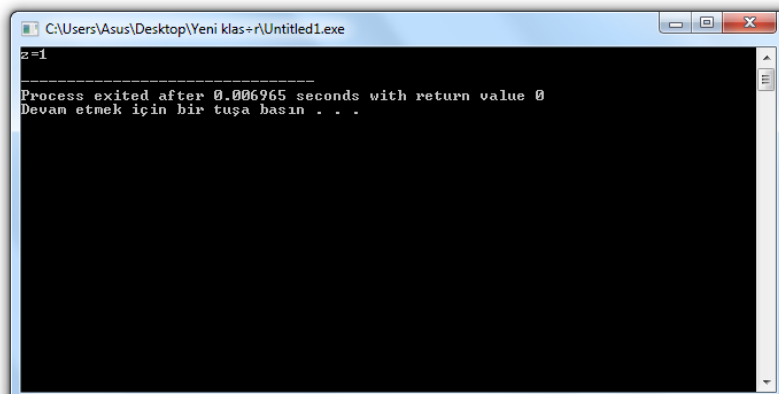
```
int main()
{
    int i=-3, j=2, k=0, m;
    m = ++i && ++j && ++k;
    printf("i=%d,j= %d,k= %d,m= %d\n", i, j, k, m);
    return 0; }
```



```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
i=-2,j= 3,k= 1,m= 1
-----
Process exited after 0.007157 seconds with return value 0
Devam etmek için bir tuşa basın . . .
```

b) `#include<stdio.h>`

```
int main()
{
    int x=12, y=7, z;
    z = x!=4 || y == 2;
    printf("z=%d\n", z);
    return 0; }
```



```
C:\Users\Asus\Desktop\Yeni klas+r\Untitled1.exe
z=1
-----
Process exited after 0.006965 seconds with return value 0
Devam etmek için bir tuşa basın . . .
```

