# DOKUZ EYLUL UNIVERCITY

# ELECTRIC AND ELECTRONICS ENGINEERING

# INTRODUCTION TO PROGRAMING

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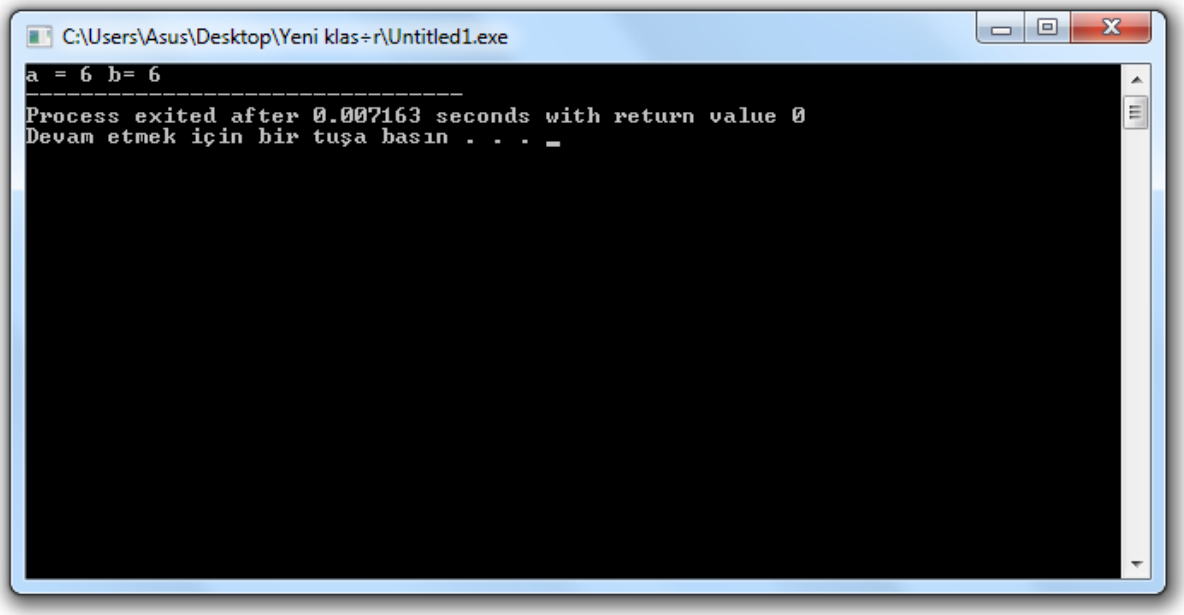
## PRELİMİNARY WORK

### TASK 1:

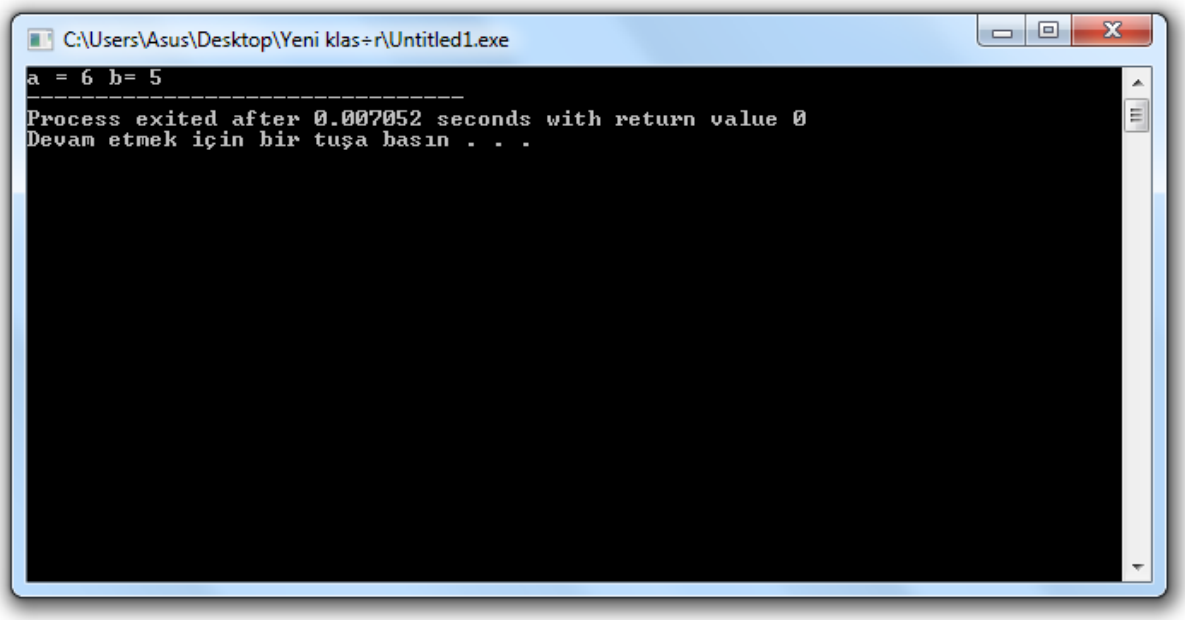
### a)

```
#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;   }
```



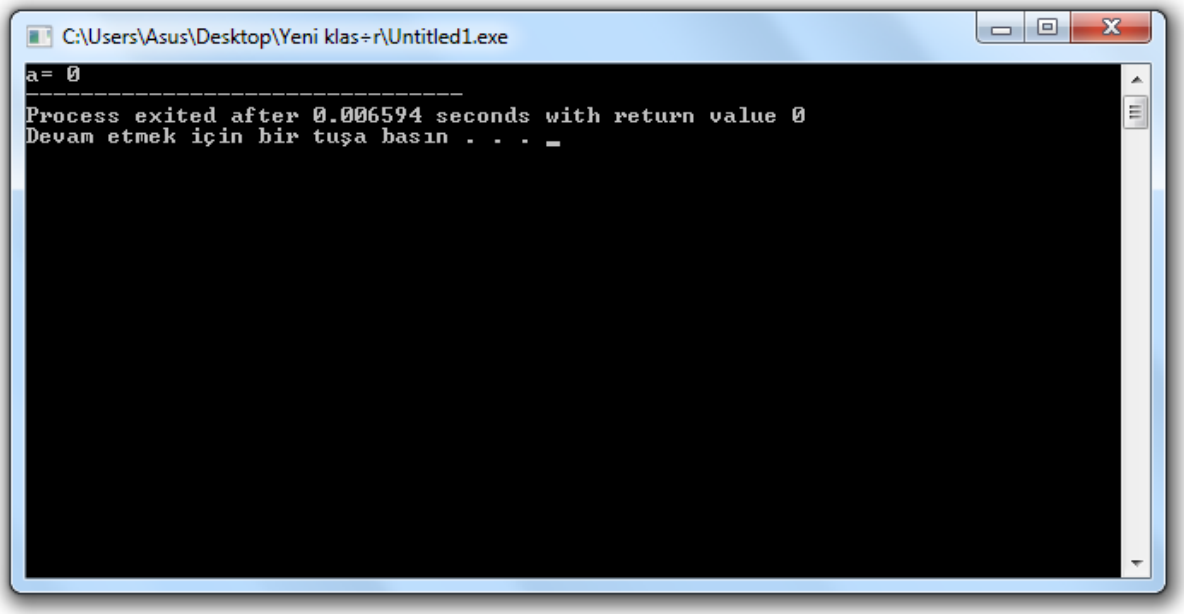
# b)

```
#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;

}
```



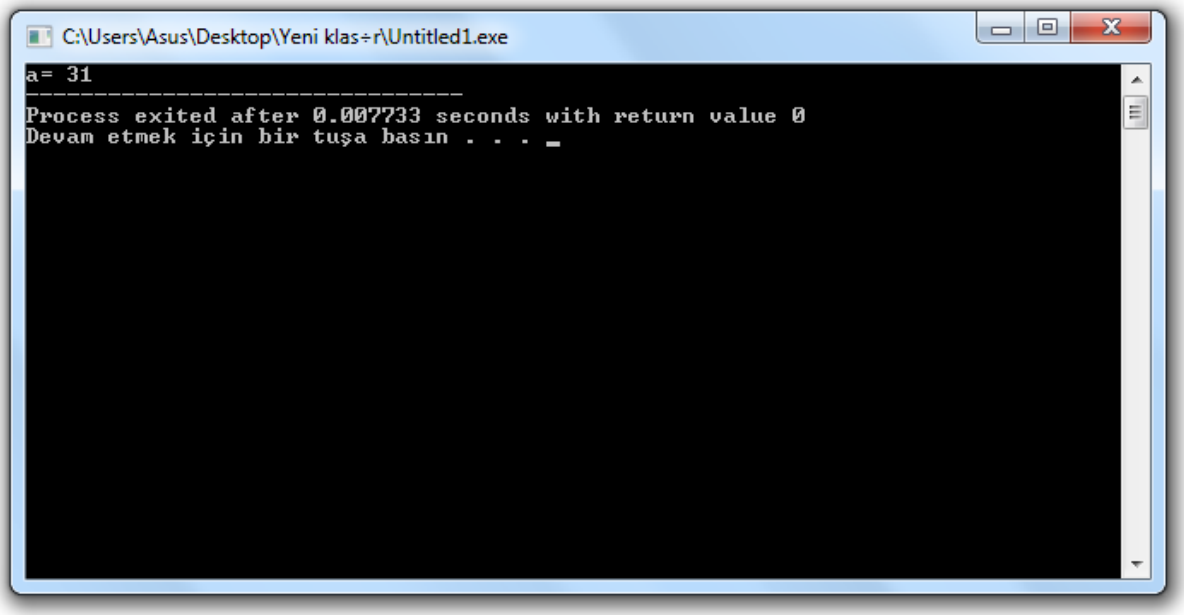

# c)

```
#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;   }
```



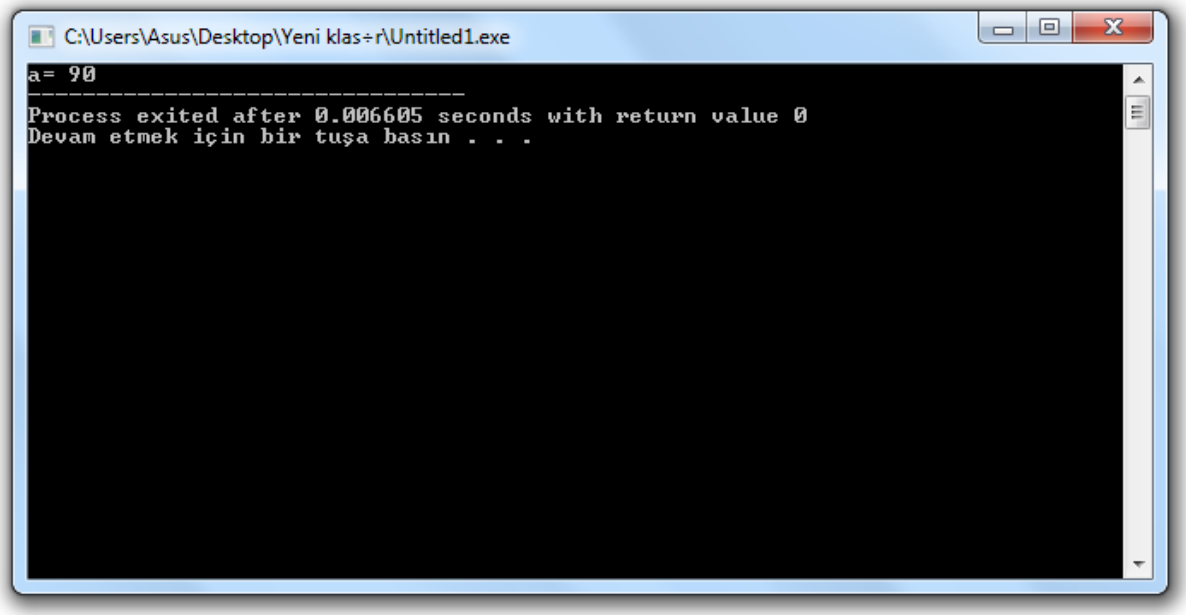

# d)

```
#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;

}
```



## e)

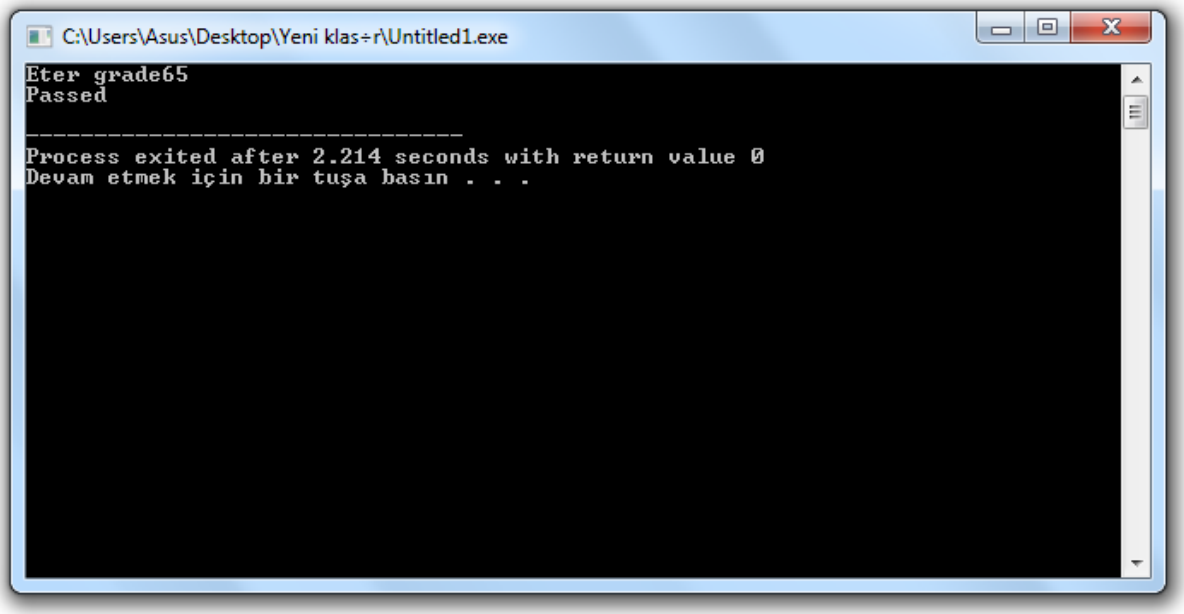
```
#include<stdio.h>

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:

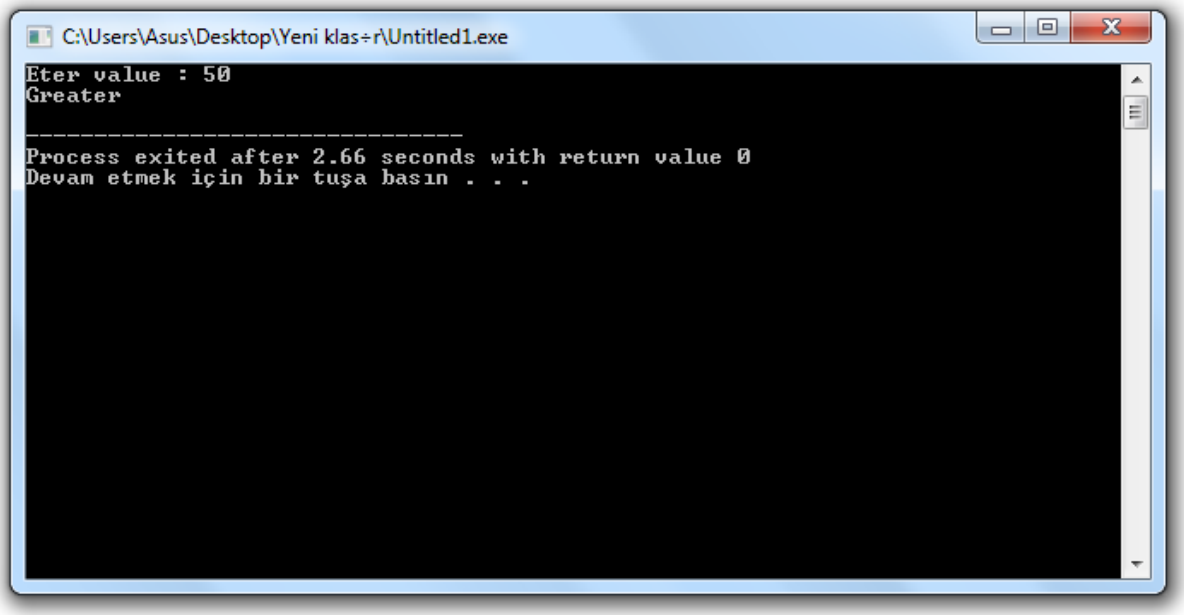
## a)

```
#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;   }
```



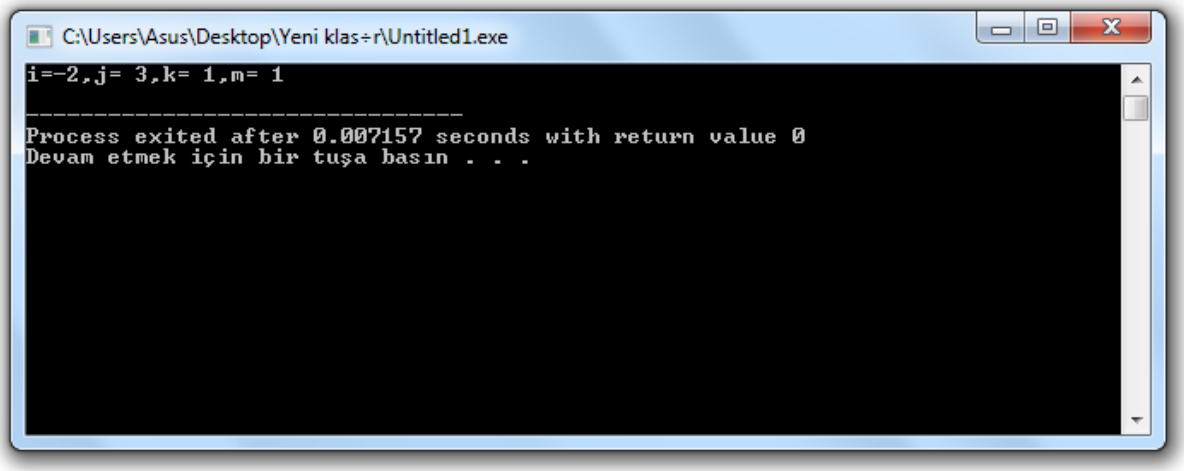

b)

```
#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;   }
```



# 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;   }
```




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

int main()

{   int x=12, y=7, z;

z = x!=4 || y == 2;

printf("z=%d\n", z);

return 0;  }
```