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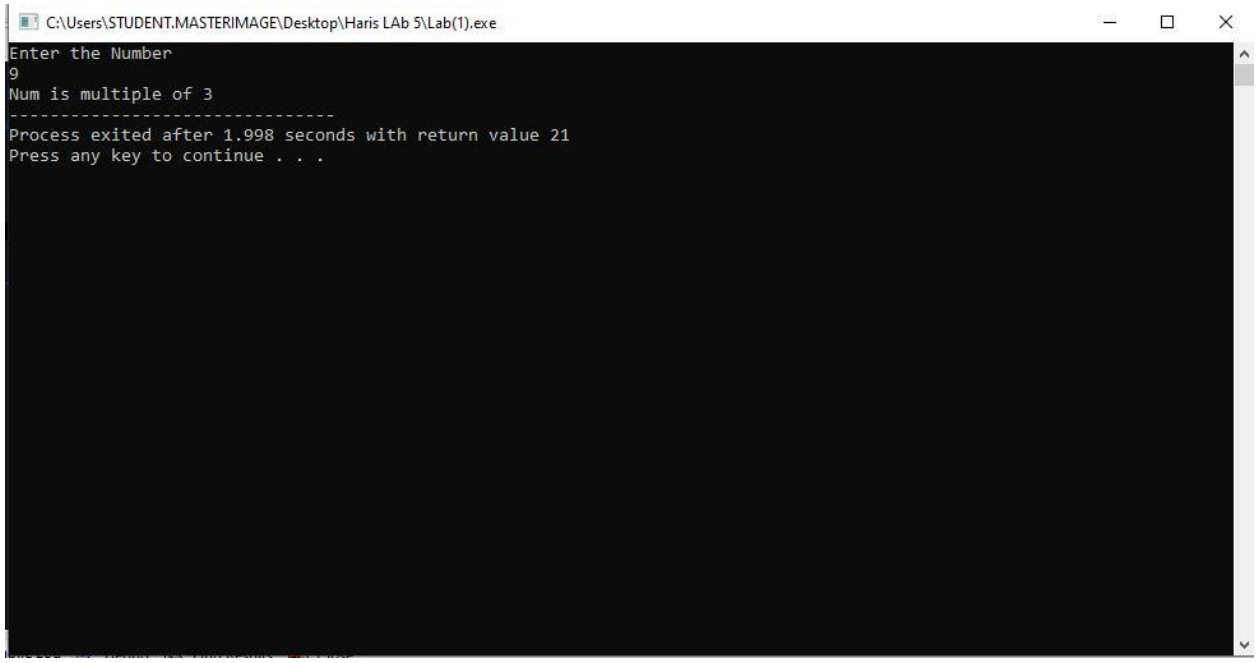
QNO1

```c
#include<stdio.h>
int main(){
    int a;
    printf("Enter the Number\n");
    scanf("%d",&a);
    if(a%3==0)
    {
        printf("Num is multiple of 3 ");

    }
    else
    {
        printf("Num is not multiple of 3");
    }

}
```



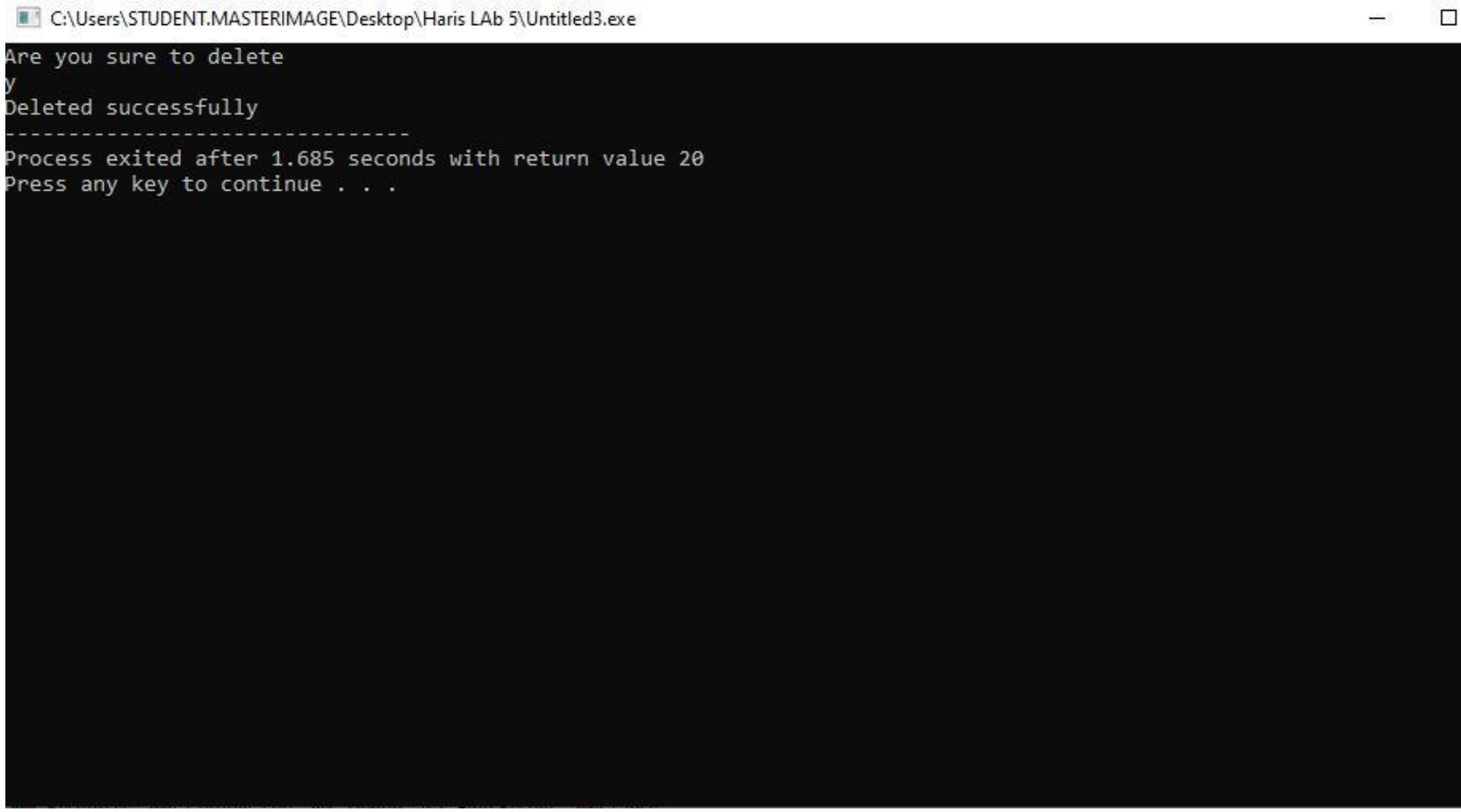
QNO2

```c
#include<stdio.h>
int main(){
    int a;
    printf("Enter Hour 1 to 24\n");
    scanf("%d",&a);
    if((a>=5)&&(a<=11))
    {
        printf("Good Morning");
    }
    else if((a>=12)&&(a<=18))
    {
        printf("Good Evening");
    }
    else if ((a>=18)&&(a<=24))
    {
        printf("Good Night");
    }
}
```

```
C:\Users\STUDENT.MASTERIMAGE\Desktop\Haris LAb 5\Lab5.exe
Enter Hour 1 to 24
19
Good Night
--------------------------------
Process exited after 2.184 seconds with return value 10
Press any key to continue . . .
```

QNO3

```c
#include<stdio.h>
int main ()
{
char a;
printf("Are you sure to delete\n");
scanf("%c",&a);
switch (a)
{
case  'Y' :
printf("Deleted successfully");
break;
case 'y' :
printf("Deleted successfully");
break;
case 'N' :
printf("Delete cancelled");
break;
case 'n' :
printf("Delete cancelled");
break;
default :
printf("Wrong Choice");


}
}
```

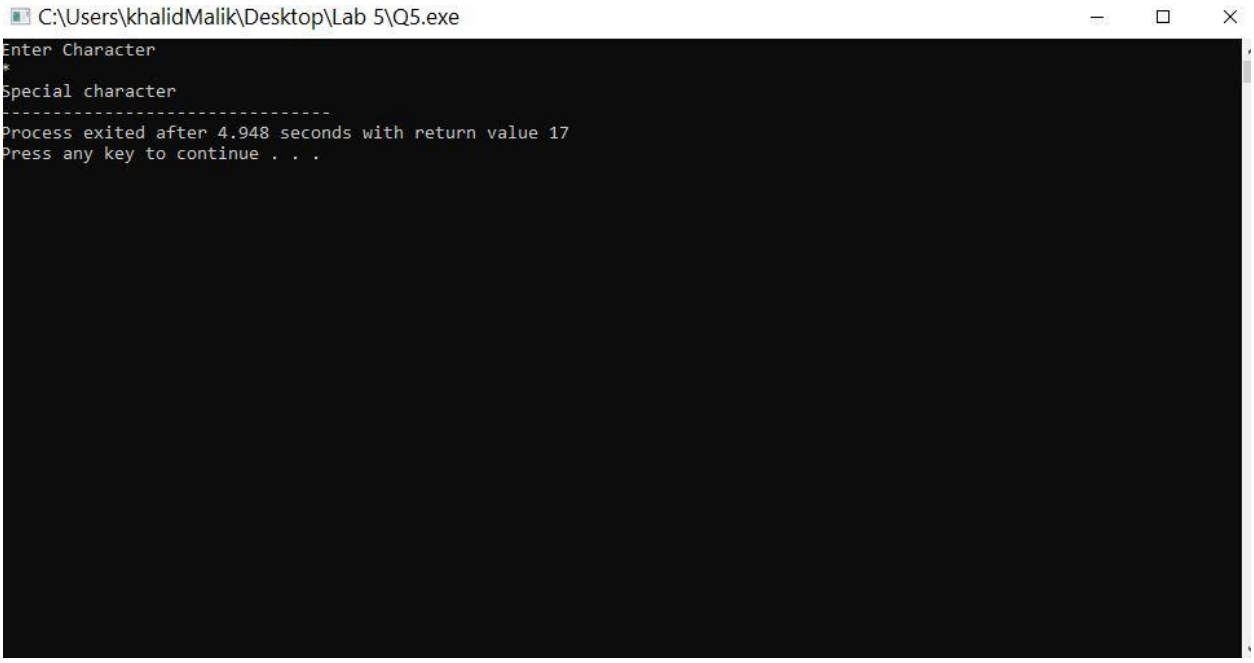


QNO4

```c
#include <stdio.h>

int main() {

  char operate;
  double  first_num,second_num,result;
  printf("Enter an operator (+, -, *, /): ");
  scanf("%c", &operate);
  printf("Enter two operands: ");
  scanf("%lf %lf", &first_num, &second_num);

  switch (operate) {
    case '+':
      result=first_num+second_num;
      printf("The Sum is %.1f",result);
      break;
    case '-':
     result=first_num-second_num;
      printf("The Substraction is %.1f",result);
      break;
    case '*':
       result=first_num*second_num;
      printf("The Product is %.1f",result);
      break;
    case '/':
      result=first_num/second_num;
      printf("The Division is %.1f",result);
      break;

    default:
      printf("Error! operator is not correct");
  }

  return 0;
}
```

```
C:\Users\khalidMalik\Desktop\Lab 5\Untitled1.exe
Enter an operator (+, -, *, /): /
Enter two operands: 8
2
The Division is 4.0
--------------------------------
Process exited after 13.71 seconds with return value 0
Press any key to continue . . .
```

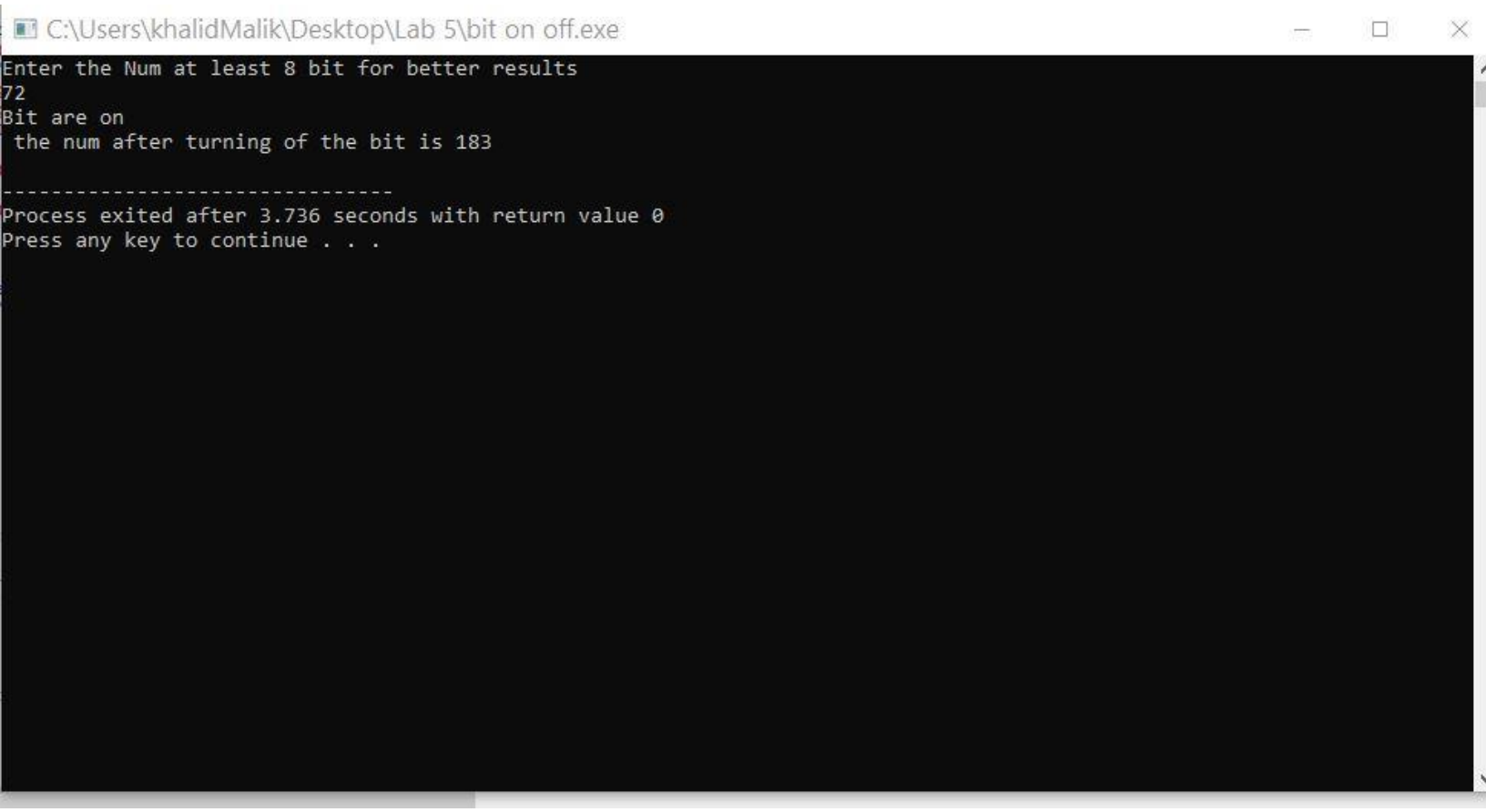
Q NO 5



Q5.c

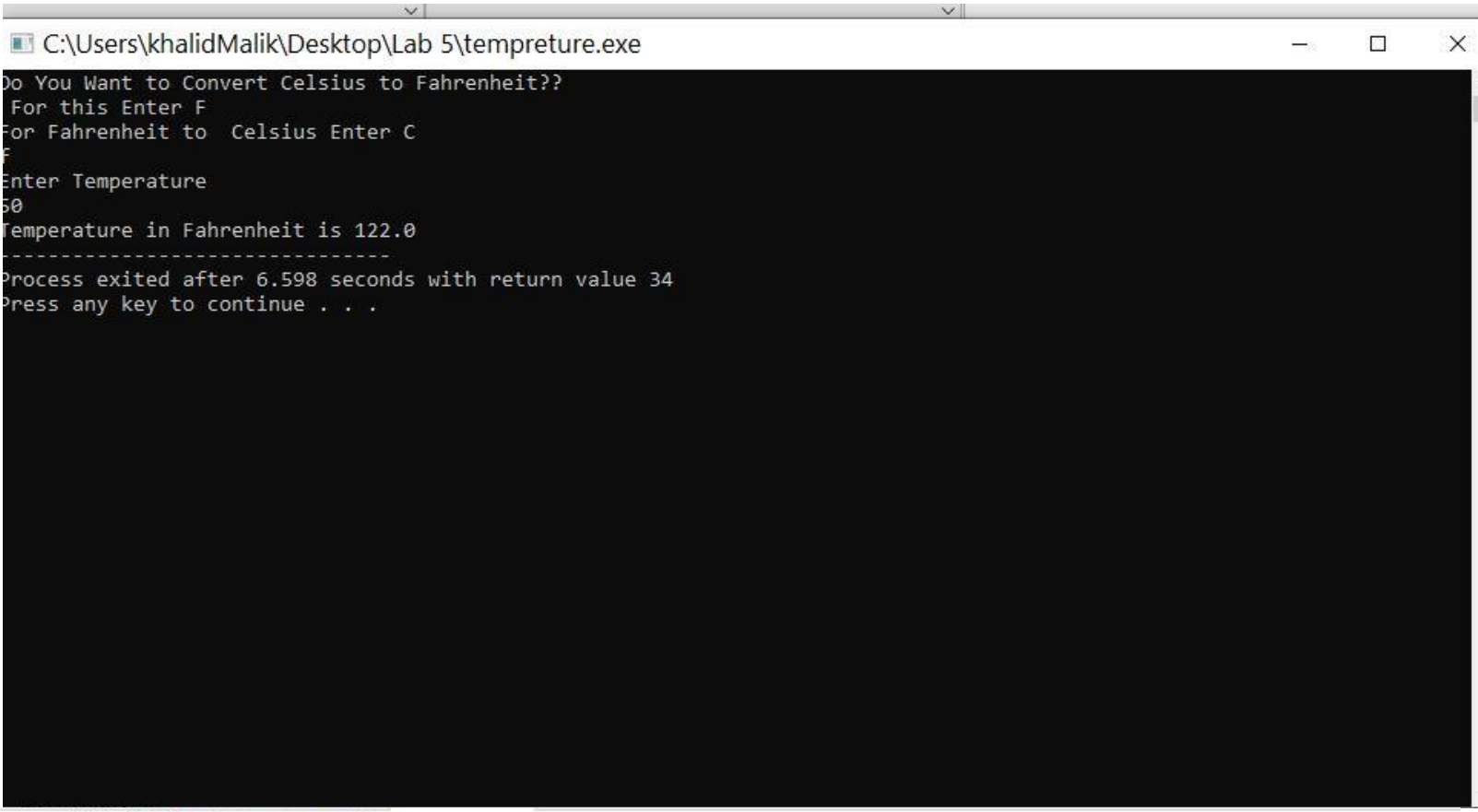
```c
#include<stdio.h>
int main ()
{
char ch;
printf("Enter Character\n");
scanf("%c",&ch);
if((ch>='A')&&(ch<='Z'))
{
    printf("Capital Letter");
}
else if ((ch>='a')&&(ch<='z'))
{
    printf("Small Letter");
}
else if((ch>=0)&&(ch<=9))
{
    printf("Digit");
}
else
{
    printf("Special character");
}
}
```

Q NO 6



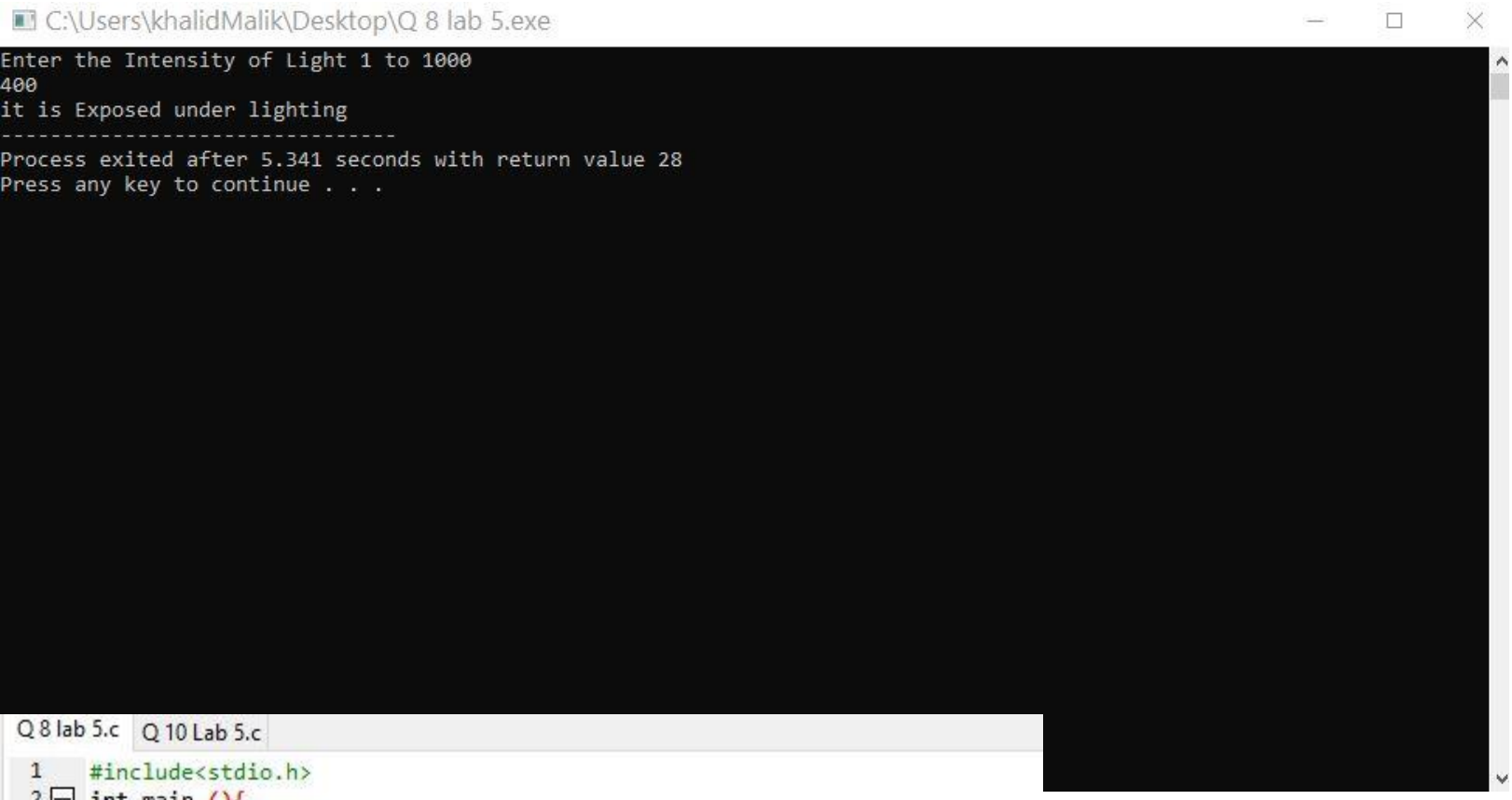

```c
#include<stdio.h>

int main()
{
    int a,b,c,d=255;
    printf("Enter the Num at least 8 bit for better results\n");
    scanf("%d",&a);
    b=a>>3;
    c=a>>6;
    if((b&1==1)&&(c&1==1))
    {
    printf("Bit are on\n");
    a=a^d;
    printf(" the num after turning of the bit is %d\n",a);
   }
    else
{
printf("The  7th and 4th bit are already off");
printf("\n");
}
    return 0;
}
```

QNO 7




```c
// (10Â°C Ã— 9/5) + 32 = 50Â°F
//(32Â°F Âˆ’ 32) Ã· 5/9 = Â°C
#include<stdio.h>

int main()
{
   char ch;
printf("Do You Want to Convert Celsius to Fahrenheit??\n For this Enter F\nFor Fahrenheit to  Celsius Enter C\n");
scanf("%c",&ch);
if((ch=='F')||(ch=='f'))
{
float t,c;
printf("Enter Temperature\n");
scanf("%f",&t);
c=(t*9/5);
c=c+32;
printf("Temperature in Fahrenheit is %.1f",c);
}
else if((ch=='C')||(ch=='c'))
{
float t,c;
printf("Enter Temperature\n");
scanf("%f",&t);
c=(t-32);
c=c/5;
c=c*9;
printf("Temperature in Celsius is %.1f",c);
}
}
```

QNO 8

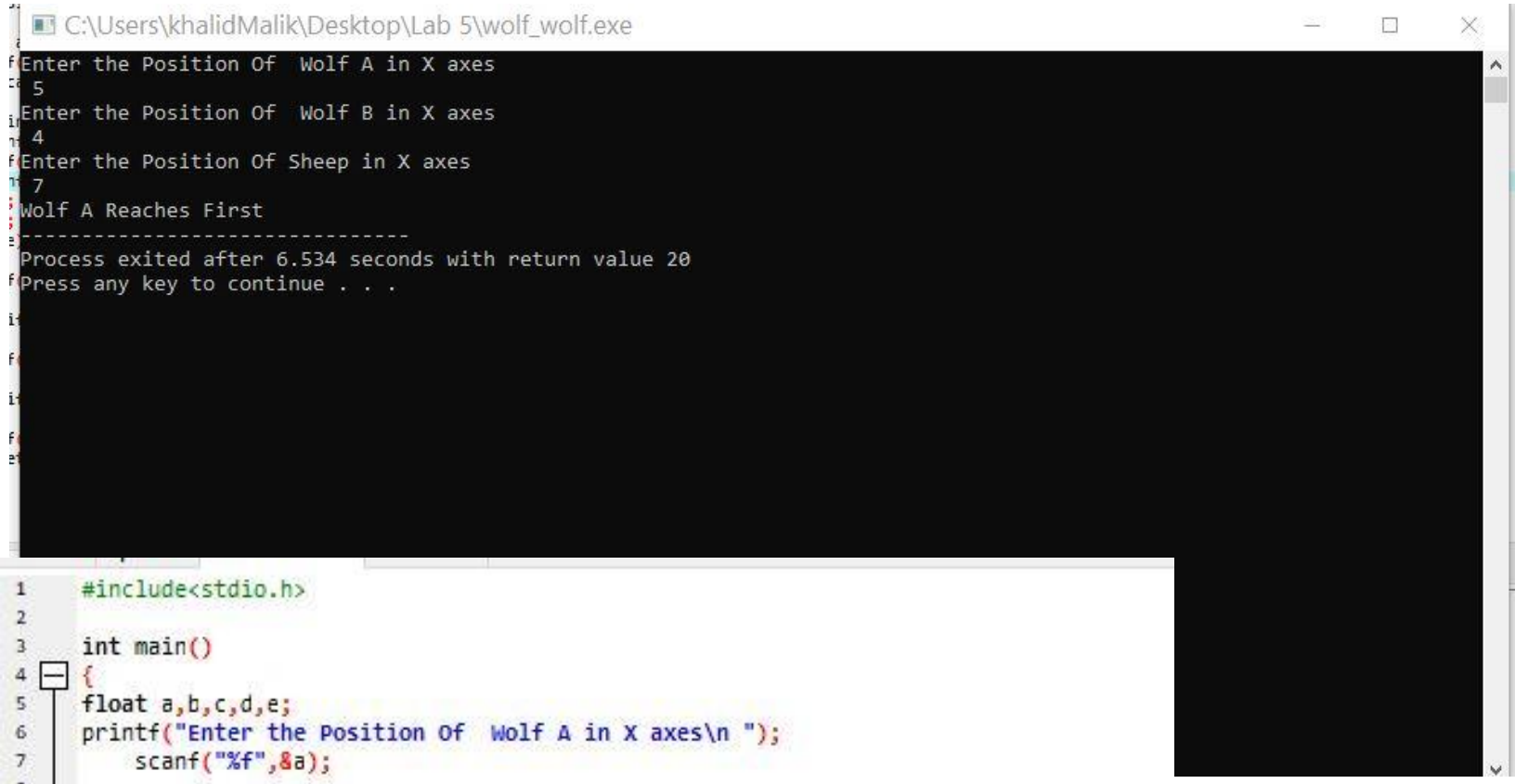


Q 8 lab 5.c | Q 10 Lab 5.c

```c
#include<stdio.h>
int main (){
int light_sensor;
printf("Enter the Intensity of Light 1 to 1000\n");
scanf("%d",&light_sensor);
if ((light_sensor>=0)&&(light_sensor<=100))
{
printf("It is Evening");
}
else if ((light_sensor>=100)&&(light_sensor<=500))
{
printf("it is Exposed under lighting");
}
else if ((light_sensor>=500)&&(light_sensor<=100))
{
printf("It is Exposed Under sunshine");
}
else
printf("Out of Range Danger");
```

```
int __cdecl printf (const char * __restrict__ _Format, ...)
```

QNO9




```c
#include<stdio.h>

int main()
{
float a,b,c,d,e;
printf("Enter the Position Of  Wolf A in X axes\n ");
    scanf("%f",&a);

   printf("Enter the Position Of  Wolf B in X axes\n ");
  scanf("%f",&b);
printf("Enter the Position Of Sheep in X axes\n ");
  scanf("%f",&c);
e=c-b;
d=c-a;
if(d<e)
{
printf("Wolf A Reaches First");
}
else if(d>e)
{
printf("Wolf B Reaches First");
}
else if(d==e)
{
printf("Wolves distracted, Sheep escaped");
    return 0;
    }
}
```

QNO10

```
C:\Users\khalidMalik\Desktop\Q 10 Lab 5.exe
Enter The Num at least two digit
72
The First Number Equal to First Four Bits is 4
The Second Number Equal to last Four Bits is 1152
The First Num After Exchanging the bit is 1152
The Second Num After Exchanging the bit is 4

--------------------------------
Process exited after 3.351 seconds with return value 45
Press any key to continue . . .
```

Q 8 lab 5.c | [*] Q 10 Lab 5.c

```c
#include<stdio.h>
int main()
{
    int a,b,c,d;
    printf("Enter The Num at least two digit\n");
    scanf("%d",&a);
    b=a>>4;
    c=a<<4;
    printf("The First Number Equal to First Four Bits is %d\n",b);
    printf("The Second Number Equal to last Four Bits is %d\n",c);
    d=c;72

    c=b;
    b=d;
    printf("The First Num After Exchanging the bit is %d\n",b);
        printf("The Second Num After Exchanging the bit is %d\n",c);

}
```