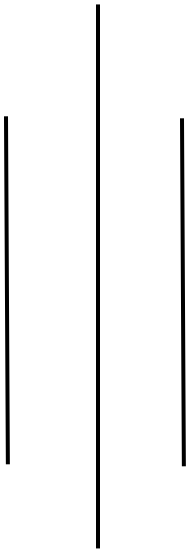
SHAID SMARAK COLLEGE

Kirtipur, Kathmandu



Assignment No. 3 of Digital logic

Submitted by :-

Amir maharjan

BCA 2nd Semester

Submitted to :-

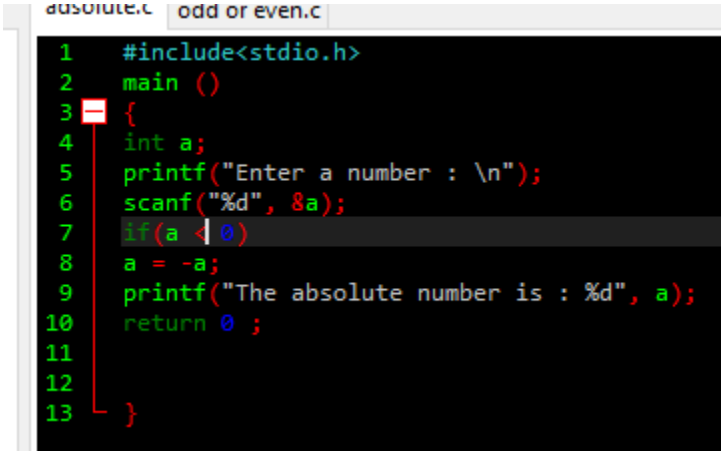
Himal Raj Gentil

C PROGRAMMING

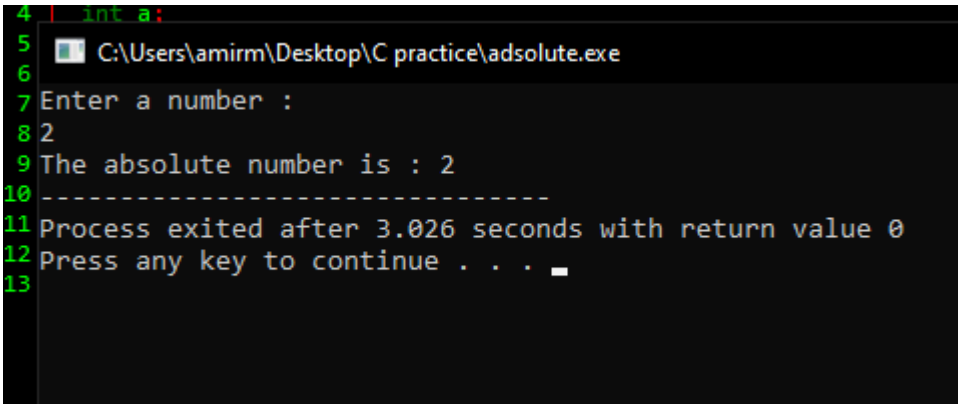
Assignment 2

Q.1. Print the absolute value of input number using if control statement.

Program.



Output.



Q.2 Print whether the entered number is odd or even using if… else function.

Program.

adsolute.c odd or even.c

```c
#include<stdio.h>
main ()
{
int a;
printf("Enter a number : \n");
scanf("%d", &a);
if (a % 2 ==0)
printf("The number is even");
else
printf("The number is odd");
return 0;
}
```

Output.

```
C:\Users\amirm\Desktop\C practice\odd or even.exe
Enter a number :
8899
The number is odd
--------------------------------
Process exited after 5.992 seconds with return value 0
Press any key to continue . . .
```

Q.3 Check whether the input number lies in between certain range using && compound relations.

Program.

adsolute.c | odd or even.c | Compound relations.c

```c
#include <stdio.h>
main()
{
int a, b, c;
printf("Enter three number : \n");
scanf("%d%d%d", &a, &b, &c);
if (a>b&&b<c)
printf("The statement is NUll");
if (a>10&&b<20)
printf("The statement is TRUE");
else
printf("The statement is FALSE");
return 0;
}
```

Output.

```
C:\Users\amirm\Desktop\C practice\Compound relations.exe
Enter three number :
1
2
3
The statement is FALSE
--------------------------------
Process exited after 3.946 seconds with return value 0
Press any key to continue . . .
```

Q.4 Check whether the input payment method is eligible to make payment or not.

Program.

adsolute.c | odd or even.c | Compound relations.c | eligible.c

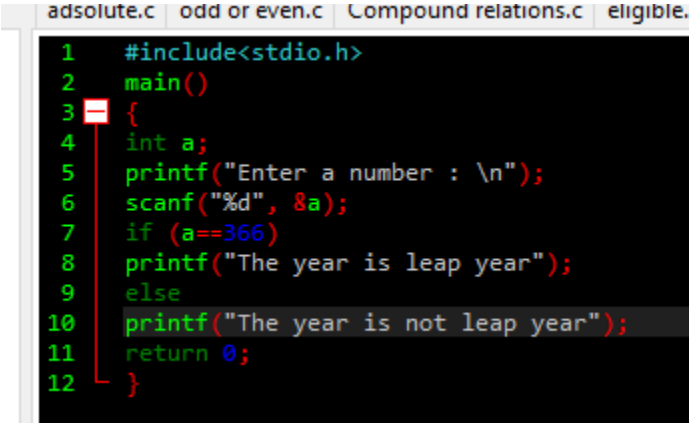
```c
#include<stdio.h>
main ()
{
int a;
printf("Enter a number : \n");
scanf("%d", &a);
if (a>=50)
printf("The payment is eligible");
else
printf("The payment is not eligible");
return 0;

}
```

Output.

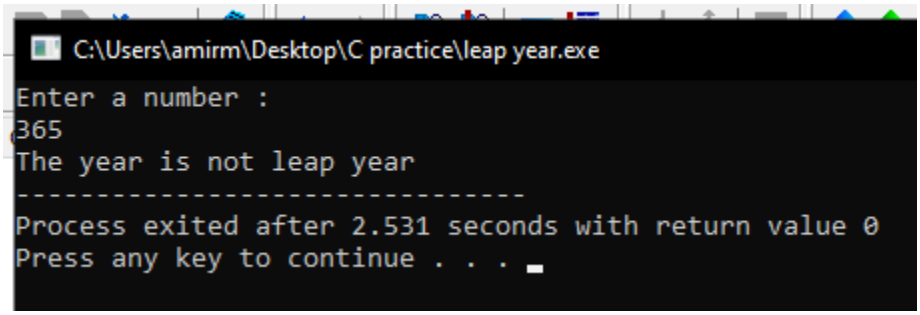
```
C:\Users\amirm\Desktop\C practice\eligible.exe
Enter a number :
49
The payment is not eligible
--------------------------------
Process exited after 1.565 seconds with return value 0
Press any key to continue . . .
```

Q.5 Write a program to check whether the input year is leap year or not.

Program.



Output.



The end