MANAV GHADI

FE6-B2

ROLL NO. 635

**PRACTICAL 02**

**TITLE:** To study input function scanf() and output function printf().

**AIM:** To implement a program to accept no. of days from the user and convert it into years, months and days.

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

int main()

{

int n,y,m,d,rem;

printf("Enter no. of days\n");

scanf("%d",&n);

y=n/365;

rem=n%365;

m=rem/30;

d=rem%30;

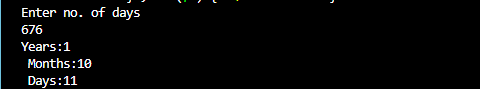
printf("Years:%d\n Months:%d\n Days:%d\n",y,m,d);

getch();

return 0;

}

**OUTPUT:**



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**PRACTICAL 03**

**TITLE:** To study the use of ternary operator.

**AIM:** To find the greatest of three numbers using ternary operator.

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c,x;

printf("Enter values:");

scanf("%d %d %d",&a,&b,&c);

x=(a>b)?((a>c)?a:c):((b>c)?b:c);

printf("%d is largest",x);

getch();

return 0;

}

**OUTPUT:**



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**PRACTICAL 04**

**TITLE:** To study the use of unary operator.

**AIM:** To write a program to show unary operator workings with example.

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

int main()

{

int a=10,b,c,d;

d=c=b=a;

printf("Original values of all variable is 10\n");

b=--a;

printf("b when decrement is %d\n",b);

c=a++;

printf("c when increment is %d\n",c);

a=--c-c;

printf("a when pre-decrement of c minus c is %d\n",a);

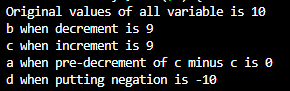
d=-d;

printf("d when putting negation is %d\n",d);

return 0;

}

**OUTPUT:**



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**PRACTICAL 05**

**TITLE:** To study if-else statement.

**AIM:** To display grades of students using else-if.

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

int main()

{

int n;

printf("Enter marks:\n");

scanf("%d",&n);

if(n>0 && n<=50)

printf("Grade F");

else if(n>50 && n<=60)

printf("Grade C");

else if(n>60 && n<=70)

printf("Grade B");

else if(n>70 && n<=880)

printf("Grade A");

else if(n>880 && n<=90)

printf("Grade E");

else if(n>90 && n<=100)

printf("Grade O");

else

printf("Invalid Marks");

return 0;

}

**OUTPUT:**

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**PRACTICAL 06**

**TITLE:** To study use of bitwise operators.

**AIM:** To perform menu driven program using switch case to demonstrate bitwise operators.

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c,d,x,ch;

printf("Enter two values:\n");

scanf("%d %d",&a,&b);

printf("Enter your choice:\n 1.AND\n 2.OR\n 3.EX-OR\n 4.Negation\n 5.Left Shift\n 6.Right Shift\n");

scanf("%d",&ch);

switch(ch)

{

case 1:

x=a&b;

printf("AND=%d",x);

break;

case 2:

x=a|b;

printf("OR=%d",x);

break;

case 3:

x=a^b;

printf("EX-OR=%d",x);

break;

case 4:

c=~a;

d=~b;

printf("NOT of a=%d\nNOT of b=%d",c,d);

break;

case 5:

c=a<<2;

d=b<<2;

printf("Left Shift of a=%d\nLeft Shift of b=%d",c,d);

break;

case 6:

c=a>>2;

d=b>>2;

printf("Right Shift of a=%d\nRight Shift of b=%d",c,d);

break;

}

return 0;

}

**OUTPUT:**

