OM KADAM

FE6-B2

ROLL NO. 636

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

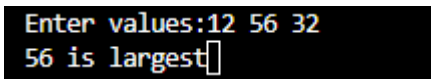
TITLE: To study the use of ternary operator.

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:

```
Original values of all variable is 10
b when decrement is 9
c when increment is 9
a when pre-decrement of c minus c is 0
d when putting negation is -10
```

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PRACTICAL 05

TITLE: To study if-else statement.

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

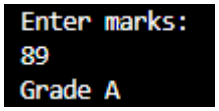
PROGRAM:

```
#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:

```
Enter two values:
4 5
Enter your choice:
 1.AND
 2.OR
 3.EX-OR
 4.Negation
 5.Left Shift
 6.Right Shift
4
NOT of a=-5
 NOT of b=-6
```