

SUB- COMPUTER APPLICATION

1] Program to find sum of two numbers.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,s;
clrscr();
printf("Enter two no: ");
scanf("%d%d",&a,&b);
s=a+b;
printf("sum=%d",s);
getch();
}
```

Output:

```
Enter two no: 5
6
sum=11
```

2] Program to find area and circumference of circle.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int r;
float pi=3.14,area,ci;
clrscr();
printf("enter radius of circle: ");
```

```

scanf("%d",&r);
area=pi*r*r;
printf("area of circle=%f",area);
ci=2*pi*r;
printf("circumference=%f",ci);
getch();
}

```

Output:

```

enter radius of a circle: 5
area of circle=78.000
circumference=31.4

```

3] Program to find the simple interest.

```

#include<stdio.h>
#include<conio.h>
void main()
{
int p,r,t,si;
clrscr();
printf("enter principle, Rate of interest & time to find simple interest: ");
scanf("%d%d%d",&p,&r,&t);
si=(p*r*t)/100;
printf("simple intrest= %d",si);
getch();
}

```

Output:

```

enter principle, rate of interest & time to find simple interest: 500
5
2
simple interest=50

```

4] Program to convert temperature from degree centigrade to Fahrenheit.

```

#include<stdio.h>
#include<conio.h>
void main()
{

```

```

float c,f;
clrscr();
printf("enter temp in centigrade: ");
scanf("%f",&c);
f=(1.8*c)+32;
printf("temp in Fahrenheit=%f",f);
getch();
}

```

Output:

```

enter temp in centigrade: 32
temp in Fahrenheit=89.59998

```

5] Program to calculate sum of 5 subjects and find percentage.

```

#include<stdio.h>
#include<conio.h>
void main()
{
int s1,s2,s3,s4,s5,sum,total=500;
float per;
clrscr();
printf("enter marks of 5 subjects: ");
scanf("%d%d%d%d%d",&s1,&s2,&s3,&s4,&s5);
sum=s1+s2+s3+s4+s5;
printf("sum=%d",sum);
per=(sum*100)/total;
printf("percentage=%f",per);
getch();
}

```

Output:

```

enter marks of 5 subjects: 60
65
50
60
60
sum=300
percentage=60.000

```

6] Program to show swap of two no's without using third variable.

```

#include<stdio.h>
#include<conio.h>

```

```

void main()
{
int a,b;
clrscr();
printf("enter value for a & b: ");
scanf("%d%d",&a,&b);
a=a+b;
b=a-b;
a=a-b;
printf("after swapping the value of a & b: %d %d",a,b);
getch();
}

```

Output:

```

enter value for a & b: 4 5
after swapping the value of a & b: 5 4

```

7] Program to reverse a given number.

```

#include<stdio.h>

#include<conio.h>
void main()
{
int n,a,r=0;
clrscr();
printf("enter any no to get its reverse: ");
scanf("%d",&n);
while(n>=1)
{
a=n%10;
r=r*10+a;
n=n/10;
}
printf("reverse=%d",r);
getch();
}

```

Output:

```

enter any no to get its reverse: 456
reverse=654

```

8] Program to find gross salary.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int gs,bs,da,ta;
clrscr();
printf("enter basic salary: ");
scanf("%d",&bs);
da=(10*bs)/100;
ta=(12*bs)/100;
gs=bs+da+ta;
printf("gross salary=%d",gs);
getch();
}
```

Output:

```
enter basic salary: 100
gross salary=122
```

9] Program to print a table of any number.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int gs,bs,da,ta;
clrscr();
printf("enter basic salary: ");
scanf("%d",&bs);
da=(10*bs)/100;
ta=(12*bs)/100;
gs=bs+da+ta;
printf("gross salary=%d",gs);
getch();
}
```

Output:

```
enter a no to know table: 2
2*1=2
```

2*2=4
2*3=6
2*4=8
2*5=10
2*6=12
2*7=14
2*8=16
2*9=18
2*10=20

10] Program to find greatest in 3 numbers.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("enter value of a, b & c: ");
scanf("%d%d%d",&a,&b,&c);
if((a>b)&&(a>c))
printf("a is greatest");
if((b>c)&&(b>a))
printf("b is greatest");
if((c>a)&&(c>b))
printf("c is greatest");
getch();
}
```

Output:

```
enter value for a, b& c: 5
7
4
b is greatest
```

11] Program to show the use of conditional operator.

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("enter value for a & b: ");
```

```
scanf("%d%d",&a,&b);  
(a>b)?printf("a is greater"):printf("b is greater"); getch();  
}
```

Output:

enter value for a & b: 5 7

b is greater