1. Hello world

```c
#include<stdio.h>

#include<conio.h>

void main()

{

 clrscr();

 printf("Hello World");

 getch();

 }
```

Output

Hello world

2. SUM OF TWO NUMBER

```c
#include<stdio.h>

#include<conio.h>

main(){

int a,b,sum;

clrscr();

printf("enter the first number:");

scanf("%d",&a);

printf("enter the second number:");

scanf("%d",&b);

sum=a+b;

printf("%d",sum);

getch();

}
```

Output

enter the first number:2

enter the second number:4

sum=6

3. <u>FIND GREATEST VALUE</u>

<u>(a). In given two number</u>

```
#include<stdio.h>

#include<conio.h>

main()

{

int a,b,c;

clrscr();

printf("enter two number:");

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

c=a>b;

printf("greatest value is %d",c);

getch();

}
```

<u>Output</u>

enter two number:5,8

greatest value is : 8

(b). **In given three number**

```c
#include<stdio.h>

#include<conio.h>

#include<stdio.h>

#include<conio.h>

void main() {

int a,b,c;

clrscr();

printf("enter three number:");

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

if(a>b)

{ if(a>c)

   printf("a is greatest");

 else

 printf("c is greatest");

}

 else

{ if(b>c)

   printf("b is greatest");

   else

    printf("c is greatest");

}

getch();

}
```

Output

enter three number:7,3,9

9 is greatest

©. In given four number

```c
#include<stdio.h>

#include<conio.h>

void main(){

 float a,b,c,d;

 clrscr();

 printf("enter four number:");

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

 if(a>b)

 {

  if(a>c)

 { if(a>d)

   printf("%f is greatest",a);

   else

    printf("%f is greatest",d);

   }

   else

   { if(c>d)

   printf("%fis greatest",c);

   else

   printf("%f is greatest",d);

   }

 }
```

```c
 else
{ if(b>c)
 { if(b>d)
   printf("%fis greatest",b);
    else
    printf("%fis greatest",d);
   }
   else
   { if(c>d)
    printf("%f is greatest",c);
    else
    printf("%f is greatest",d);
   }
}
getch();
}
```

Output

enter fuor number:1,2,3,4

4 is greatest

4. DIVISION OF TWO NUMBER

```c
#include<stdio.h>
#include<conio.h>
void main()
{
float a;
float b;
float c;
clrscr();
printf("enter the first number:");
scanf("%f",&a);
printf("enter the second number:");
scanf("%f",&b);
if(b!=0)
{
c=a/b;
printf("division=%f",c);
}
else
{
printf(" division=infinite");
}
getch();
}
```

Output

enter the first number:6

enter the second number:2

division=3

5. FIND THE POSITIVE AND NIGATIVE NUMBER

```c
#include<stdio.h>

#include<conio.h>

void main()

{

float a;

clrscr();

printf("enter your number:");

scanf("%f",&a);

if(a>0)

{

printf("positive number");

}

else

{

printf("nigative number");

}

getch();

}
```

Output

enter your number:6

positive number

6. SWITCH STATEMENT

```c
#include<stdio.h>
#include<conio.h>
void main()  {
float num1,num2,result;
char op;
clrscr();
printf("enter the first number:");
scanf("%f",&num1);
printf("enter opreation:");
scanf(" %c",op);
printf("enter the second number:");
scanf("%f",&num2);
switch(op)  {
 case'+':
 result=num1+num2;
 printf("sum=%f",result);
 break;
 case'-':
 result=num1-num2;
 printf("sum=%f",result);
 break;
case'*':
```

```c
if(num1&&num2==0)
{
printf("result=0");
}
else
{
result=num1*num2;
printf("multyplication=%f",result);
}
break;
case'/':
if(num2==0)
  printf("division=enfinite");
else
{
  result=num1/num2;
  printf("division=%f",result);
}
break;
}
getch(); }
```

Output

enter the first number:8

enter your operation:+

enter your second number:6

result=14

7. <u>ARRAY</u>

```c
#include<stdio.h>
#include<conio.h>
void main()
{
 int a[5],i,sum=0,avg;
 clrscr();
 printf("enter your five number:");
 for(i=0;i<5;i++)
 scanf("%d",&a[i]);
 for(i=0;i<5;i++)
 sum=sum+a[i];
 printf("sum=%d\n",sum);
 avg=sum/5;
 printf("avg=%d",avg);
 getch();
 }
```

<u>Output</u>

Enter your five number:4,3,5,6,7

avg=5

8.SUM(ARRAY)

```c
#include<stdio.h>
#include<conio.h>
void main()
{
 int a[5],i,sum=0;
 clrscr();
 printf("enter your five number:");
 for(i=0;i<5;i++)
 scanf("%d",&a[i]);
 for(i=0;i<5;i++)
 sum=sum+a[i];
 printf("sum=%d",sum);
 getch();
}
```

Output

enter your five number:8,6,5,3,3

sum=24

9. SUM(I TO N)

```c
#include<stdio.h>
#include<conio.h>
void main() {
 int n,i=1,sum;
 clrscr();
 printf("n=");
 scanf("%d",&n);
 sum=0;
 while(i<=n)
 {
 sum=sum+i;
 i++;
 }
 printf("sum=%d",sum);
 getch();
 }
```

Output

n=10

sun=55

10. LOGIC OPREATOR

(a). OR

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("enter your first number:");
scanf("%d",&a);
printf("enter your second number:");
scanf("%d",&b);
c=a&b;
printf("binary addition=%d",c);
getch();
} /* FOR EXAMPLE
    11=1011
    14=1110
 11+14=10=1010
```

(b). (AND)

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("enter your first number:");
scanf("%d",&a);
printf("enter your second number:");
scanf("%d",&b);
c=a||b;
printf("binary addition=%d",c);
getch();
} /* for example-
    11=1011
    14=1110
 11+14=10=1010  */
```

11.   FUNCTION

```c
#include<stdio.h>
#include<conio.h>
void main()  {
clrscr();
sub();
getch();
}
add()
{
int a,b,c;
printf("enter your first number:");
scanf("%d",&a);
printf("enter your second number:");
scanf("%d",&b);
c=a+b;
printf("sum=%d",c);
}
mlt()
{
int a,b,c;
printf("enter your first number:");
scanf("%d",&a);
printf("enter your second number:");
scanf("%d",&b);
```

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```c
c=a*b;

printf("mlt=%d",c);

}

sub()

{

 int a,b,c;

 printf("enter your first number:");

 scanf("%d",&a);

 printf("enter your second number:");

 scanf("%d",&b);

 c=a-b;

 printf("sub=%d",c);

 }
```

Output

enter your first number:8

enter your second number:2

sub=4

12.   FIND GRADE

```c
#include<stdio.h>

#include<conio.h>

void main() {

int marks;

clrscr();

printf("enter your marks:");

scanf("%d",&marks);

if(marks>0  && marks<100)

{ if(marks>90)

   printf("A-grade");

  else if(marks>80)

   printf("B-grade");

  else if(marks>70)

   printf("C-grade");

  else if(marks>60)

     printf("D-grade");

  else if(marks<60)

     printf("fail");

     }

 else

 printf("not match in marks");

 getch();

 }
```

Output

enter your marks:87

B-grade

18

13. FIND YEAR ,MONTH,DAYS

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
int months ,days ,leepyears;
printf("enter your days:");
scanf("%d",&days);
years=days/360;
printf(" years=%d",years);
months=days/30;
printf("months=%d",months);
days=days%30;
printf("days =%d",days);
getch();
}
```

Output

enter your days:395

years=1

months=1

days=5

14. MALE FIMALE RATIO

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int f,m;
float ratio;
clrscr();
printf("enter the number of female:");
scanf("%d",&f);
printf("enter the number of male:");
scanf("%d",&m);
ratio=(float)f/m;
printf("ratio of female and male:%f",ratio);
getch();
}
```

Output

enter the number of female:64

enter the number of male:50

ratio of female and male:1.25

15. FIND TABLE

```c
#include<stdio.h>
#include<conio.h>
void main()
{
 int a,s,n=1;
 clrscr();
 printf("enter your number:");
 scanf("%d",&a);
 while(n<11)
 {
  s=a*n;
  n=n+1;
  printf("%d\n",s);
 }
 getch();
 }
```

Output

Enter your number:5

5,10,15,20,25,30,35,40,45,50

16. SWAP OF TWO NUMBER

```c
#include<stdio.h>
#include<conio.h>
void main()
{
 int a,b,tamp;
 clrscr();
 printf("enter two number:");
 scanf("%d%d",&a,&b);
 tamp=a;
 a=b;
 b=tamp;
 printf("a=%d b=%d",a,b);
 getch();
}
```

Output

Enter two number:6,4

a=4 b=6