

## C Language

### 1. Pre Porcessor

1. # include<stdio.h>

(a) Standard Input Output (b) Header File

# include<conio.h>

2. Console Input Output (b) Header File

**Note:-** \n=New Line

\t=Tab

**Data Type:-**

Ink 2 Bytes %D

Floot 4 Bytes %F

Char 2 Bytes %C

Double 8 Bytes %LF

Lang Ink 4 Bytes %Ld

**Note:-** Every Line Should be Ended with (;) Sami Colon

2. All Things we have to write in small letter.

**Operators:-**

Arithmetic Operator [+ (Addition)]

[-(Subtraction)]

[x(Matriculation)]

[/(Division)]

[% (Modulus Division)]

3. **Relation Operators:-**

**Operators**

**Match Symbol**

**'C' Symbol**

Equal to

=

=

Not Equal To

≠

/=

Less Than

<

<

Greater Than

>

>

Less Than or Equal To

≤

<=

Greater Than or Equal To

≥

>=

4. **Logical Operators:-** Operands on which the operator work.

**Example:-** a+b

+ is a Operator and a, b Operands

And :- (&)

Or :- (!!)

Not :- (!)

**5. Assignment Operator:-**

(=) Equal To

**6. Increment and Decrement Operator:-**

(- -) and (+ +)

**7. Conditional Operator:-**

(If, Also)

**8. Bitwise Operator:-**

|                  |    |
|------------------|----|
| And              | &  |
| Or               | \  |
| Exclusive or     | μ  |
| Shift Left       | << |
| Shift Right      | >> |
| One's Complement | ⌘  |

**1. Write a Program to print "Perfect Computer Institute Arkha"**

```
#include <stdio.h>
#include <conio.h>
void main()
{
    clrscr();
    printf("Perfect Computer Institute Arkha"); getch();
}
For Compiler Alt + F9
For Run Ctrl + F9
For Exit Ctrl + E
```

**2. Write a program to print Addition of two Number.**

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a, b, c;
    clrscr();
    printf("Enter 2 Number; ");
    scanf("%d%d", &a, &b);
    c = a + b;
    printf("sum is %d", c);
    getch();
}
```

**3. Write a program to print and find Grade in three subject marks.**

```

#include <stdio.h>

#include<conio.h>

Void main()

{

Int M1, M2, M3;

Float P;

Clrscr();

Print&("Enter any three Number");

Scan&("%d%d%d", &m1, &m2, &m3);

P=(M1 + M2 + M3) /3;

If (p>=75)

print & ("Grade is A");

else if (P>=60)

Print& ("Grade is B");

Else if (P>=50)

Print& ("Grade is C");

Else

Print &("Fail");

Get ch ();

}

```

4. Write a program to making constant how to find the value of area while  $a=\pi r^2$

```

# include<sldio.h>
# include<conio.h>
# define f ¾
Void Main ( )
{
Inter;
Float a;
Clrscr();
Print& ("Enter raiious");

```

```
Scan&("%d", &r);  
A=(r*r*r);  
Print&("area is %f",a);  
Getch();  
}
```

For Decimal Number Only show the value of a=12.0 print&("area is %0.2f",a);