

C

① stdio.h

It is one of the most imp't header file used by every C programmer as it provides **declration/prototype** of two most imp't functions called **printf()** and **scanf()** used for output and input respectively

V/s

C++

① iostream.h

It is one of the most imp't header file used by every C++ programmer as it provides **definition** of 4 predefined objects called as

1. **cout** : Console output
2. **cin** : Console input
3. **clog** : Console logging
4. **cerr** : Console error

C

② printf("Hello");

C++

②

cout <<   
 ↖ Insertion  
operator  
or  
Inserted

cout << "Hello" ;

↓  
Hello

C

③ int a=10;  
printf(" %.ld", a);  
  
char ch='z';  
printf(" %.c", ch);  
  
float x=1.5;  
printf(" %.f", x);  
1.500000

C++

③ int a=10;  
cout << a;  
  
char ch='z';  
cout << ch;  
  
float z=1.5;  
cout << z;  
1.5

int n=25;

C++

cout << "n";  $\rightarrow \frac{O/P}{n}$

cout << n;  $\rightarrow \frac{O/P}{25}$

C

④ int a=10;

printf("Value of a is %d", a);

O/p

Value of a is 10

C++

④ int a=10;

cout << "Value of a is" << a;

String/message      variable

O/p

Value of a is 10

C

⑤ char grade = 'A';

printf("%c", grade);

⑥5

U/s

C++

⑤ char grade = 'A';

cout << (int) grade;

⑥5

C

⑥ `int a=10;`  
`char b='z';`  
`float c=1.5;`

`printf("%.d %.c %.f", a, b, c);`

10 z 1.500000

C++

⑥ `int a=10;`  
`char b='z';`  
`float c=1.5;`

`cout << a << b << c;` cascading

10z1.5

`cout << a << " " << b << " " << c;`

10 z 1.5

What is cascading?

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In C++ the word cascading means using or repeating the same operator in the same expression more than one time

For example:

`int a;`  
`a=10+20+30+40;`

The above statement is doing cascading of '+' operator.  
 Similarly

`int a=10;`  
`char b='x';`  
`float c=1.5;`  
`cout << a << " " << b << " " << c;`

The above statement is doing cascading of insertion operator.

C

⑦ int a;

scanf("%d", &a);

Compulsory

C++

⑦ int a;

cin >>

Extraction operator  
or  
Extractor

cin >> a;

No address of operator

C

⑧ char name[10];

printf("Enter your name:");

scanf("%s", name);

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int arr[10];

int i;

for(i=0; i<10; i++)

{ printf("Enter no:");

scanf("%d", &arr[i]);

C++

⑧ char name[10];

cout << "Enter your name:";

cin >> name;

---

int arr[10];

int i;

for(i=0; i<10; i++)

{ cout << "Enter no:";

cin >> arr[i];

**Your next class will be on Thursday at 7pm.**

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