

Day - 05 [21/05/2021]

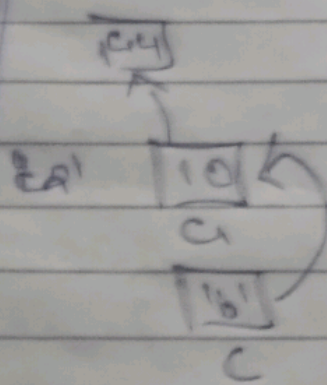
If Else Statement - 1

#include <iostream> using namespace std; int main() { int a, b; cin >> a >> b; cout << a << b; }	Screen - 10 25 Space use Enter 10 25
---	--

Insertion

OR

```
cin >> a >> b;  
cout << a << b;
```

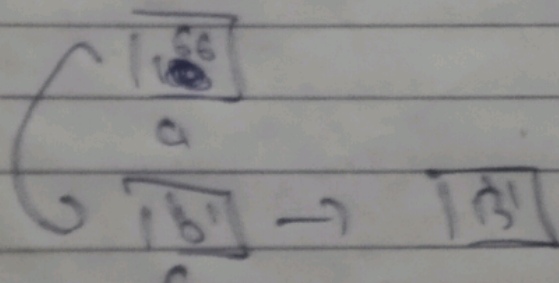


Type Casting

```
int a = 10  
char c = 'b'  
a = c  
c = a
```

A = 65

ASCII of
a = 97



int a;
 double b = 2.227 2241
 and
 Hence data will be loss as
 converted 4 bit to 4 bit

boolean → char → int → double
 no character

double → int
 data loss

I f - else

$1 \div 1 = 1$
 $2 \div 3 = 0$
 $1 \div 5 = 1$

Syntax:

```

int package = 15;
if (package > 10) {
    cout << "Accepted";
}
else {
    cout << "Rejected";
}
  
```

Comparison operators
 have two op
 0 and 1 for
 false and true
 value.

int marks

```

if (marks > 33) {
    cout << "Pass";
}
else {
    cout << "Rejected";
}
  
```

marks: 28

Rejected

marks: 40

Pass

=> Even or odd
 int num, ch; num;
 if (num % 2 == 0) {
 cout << "Even";
 } else
 cout << "Odd";
 }

=> Positive, Negative or Zero

```
if (num > 0) {
    cout << "Pos";
}
else if (num == 0) {
    cout << "Zero";
}
else {
    cout << "Neg";
}
```

=> Vowel or Consonant
 a, e, i, o, u

```
if (c == 'a') {
    cout << "vowel";
} else if (c == 'e') {
    cout << "vowel";
} else if (c == 'i') {
    cout << "vowel";
} else if (c == 'o') {
    cout << "vowel";
}
```

```
else if (c == 'u') {
    cout << "vowel";
} else {
    cout << "conso";
}
```


We have to print some line like
Army, how can we do.

```
count = 1
```

```
count < 5
```

```
while array print
```

```
count = count + 1;
```

```
count < 5
```

For loop Syntax

```
for (count = 1; count < 5; count = count + 1)
```

initialization condition update

```
{-} for (int i = 1; i < 10000; i++) {  
    cout << "Cooler Army",  
}
```

Printing 1 to n number

```
for (int i = 1; i <= n; i++) {  
    cout << i;  
}
```

Printing Square of 1 to n number

```
for (int i = 1; i <= n; i++) {  
    cout << i * i;  
}
```


* Printing even number from 1 to n

```
for(int i=0; i<n; i++)
```

```
{ if(i%2==0)
```

```
cout << i << endl; }
```

}