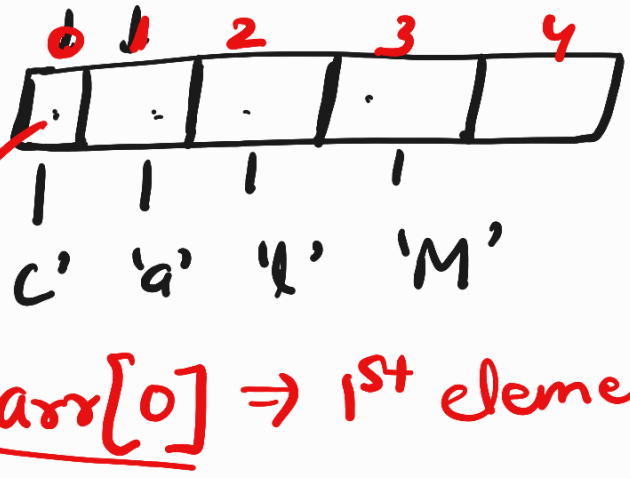
Arrays ⇒ Data Structure




```
int arr[5];
```

int ⇒ data type

5 ⇒ size

```
char arr[6];
```

```
for(int i=0; i<6; i++) {
    char c; cin>>c;
    arr[i] = c;
}
```

```
for(int i=0; i<6; i++){
    cout<<arr[i]<<" ";
}
```

```
int arr[5] = {45, 28, 39, 40, 120}
```

```
char arr[5] = {'a', 'b', 'd', 'f', 'h'}
```

```
string arr[3] = {"malvika", "Rohan", "Rohan"}
```

ASCII Notation

code

char → int

getting stored

password = "malvika!"

encode

mal

m a l v

= 23 25 27 . . . .

'a' ⇒ 97

'b' ⇒ 98

'm'

'z' ⇒ 123

'A' ⇒ 65

'B' ⇒ 66

'Z' ⇒ 90

sum of all nos.

23+25+27 = 55

D.B.

mal

decode

⇒ arr of char

string name = "malvika";

0 1 2 3 4 5 6

97
- 65
32

name[0] = 'M';

cout << name ; 'malvika'

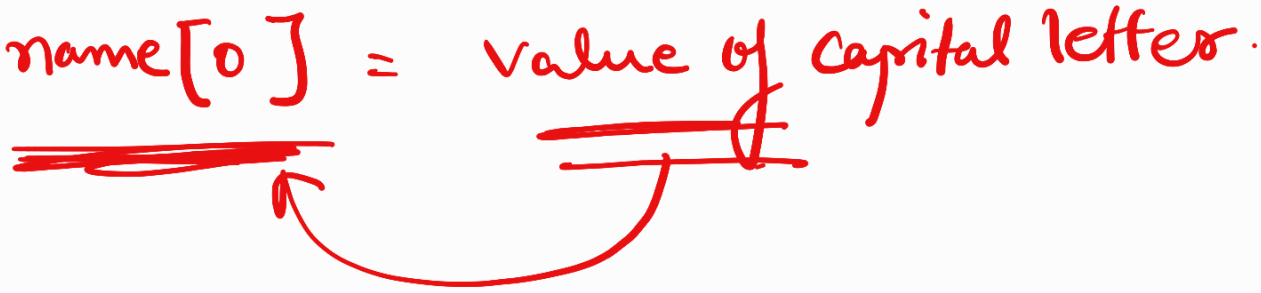
ASCII

char

int value_of_small_m = name[0];

= 97.

int value of Capital letter = value of small - 32


name[0] = Value of Capital letter.