

Data Types and Variables

- Variables are the names given to datatypes
- Its the place where we store the data in our program
- Variables are assigned depending on the type of data
- The **integer** variables are declared as follows in c++

```
int rollno ;           // declaration variable
```

```
rollno =10 ;          // initialisation variable
```

- At runtime the variables will occupy the space in memory and the values will be stored
- Every **Character** type variable should be enclosed in ' ' for instance

```
Char group = 'A' ;      // Declaration and initialisation of char DT
```

- The decimal numbers should be stored in **float** data type

```
float price = 12.75f ;   // declaration and initialisation of float
```


- If f is not written at the end then it will be taken as double


How to take variable name


- Use meaningful names while declaring variable for better understanding purpose
- Some rules for declarations is as follows


int x1; 

int 1x; 

int rollno; 

int roll no; 

int roll_no; 

int rollNo; 

int RollNo; 