

```
- 1. Nature
                                                                            int
        - What type of data can be stored
                                                                            - Number
   - 2. Memory
                                                                            - 4 bytes
        - How much memory is required to store the data
                                                                            - Arithmetic Operations
   - 3. Operations
        - Wthat type of operations can be performed on that data
1. Fundamental DataTypes
     - void
                                                          Type Qualifiers
    - int
                                                          Type Modifiers
     - float
     - double
                                                          short, long, signed, unsigned
     - char
     - bool (1 byte)
     - wchar_t (2 bytes)
                                                            bool status = true
                                                            bool status = false
2. Derived Datatypes
     - array
     - pointer
                                                wchar_t
     - structure
                                                                             a=21/65/97 A=100
     - class
                                                unicode
     - function
                                                 1. UTF-8
                                                2. UTF-16
                                                3. UTF-32
                                                                          string name
                              int main(){
   struct Time {
                              struct Time start_time;
  int hrs;
                              struct Time end_time;
  int mins;
                               }
  int main(){
   int hrs = 2;
   int mins=30;
  int hrs2=
   int mins2=
```

Datatype