

# Pointers & Flowcharts

Sep 19, 2022

# Pointers in C

1. Pointers are special variables to store address instead of values
2. Address can be accessed by & prefix
3. \* prefix to access pointing address value

Declaration :

```
int* p;
```

```
int* p1, p2;
```

Examples :

```
int* pc, c;
```

```
c = 5;
```

```
pc = &c;
```

```
pc → 0000005e497ffdb4
```

```
*pc → 5
```

4. & is a reference operator

5. \* is a dereference operator




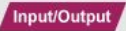
Why use them over normal variables ?

Simple answer is DON'T USE

So What's the use cases then ?

- Working with complex datatypes(not supported by language)
- Passing input args to funcs by reference
- Pure performance

# Flowcharts

Name	Symbol	Usage
Start or Stop		The beginning and end points in the sequence.
Process		An instruction or a command.
Decision		A decision, either yes or no.
Input or Output		An input is data received by a computer. An output is a signal or data sent from a computer.

```
pip install pyflowchart
```

```
python -m pyflowchart file.py -f func_name
```