Void Pointers in C

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- Suppose we have to declare integer pointer, character pointer, and float pointer, then we need to declare 3 pointer variables.

- Instead of declaring different types of pointer variable; it is feasible to declare single pointer variable which can act as integer pointer, character pointer.

- In C, a General Purpose Pointer is called a void pointer

- It does not have any data type associated with it

- It can store address of any type of variable

- A void pointer is a C convention for a raw address

```
void *pointer_name;


void *ptr; // ptr is declared as void pointer


char cnum;
int inum;
float fnum;


ptr = &cnum; // ptr has address of character data
ptr = &inum; // ptr has address of integer data
ptr = &fnum; // ptr has address of float data
```

Scenario	Behaviour
When we assign address of integer variable to void pointer	Void pointer becomes integer pointer
When we assign address of character variable to void pointer	Void pointer becomes character pointer
When we assign address of floating variable to void pointer	Void pointer becomes floating pointer