Pointers :

- used to store address of some other variable

- declaration : pointer variables are declared as follows :
  int * *x, a ;*

  => x is a pointer variable to an integer type data while a is an integer variable

  the value in x would hold an address to a variable and that variable would be an integer

- initialization : this x can be initialized as follows :
  x = & a ;

  => the address of the integer variable *a* is available in *x*

const keyword

- specifies the value of *const var* can not be modified
- Following example shows features :

```
int main() {
    const int x=10 ;
    int const y   10 ; // same as above

    int *p = &x ; // generates warning - discards 'const' qualifier from pointer target type
    *p =  100 ;
    printf("%d\n", x) ; //If warning ignored, x is modified

    int a = 10 ;
    const int *p1 = &a ; // OR int const *p1 = &a ;
    //*p1 = 11 ;  ERROR
    p1 = (int*)malloc(sizeof(int)) ;

    int *const p2 = &a ;
    *p2   11 ;
    //p2   (int*)malloc(sizeof(int)) ;  ERROR
}
```