

```
#include<stdio.h>
int main()
{
    /*as a general practice, it is recommended to put all the
    variable declarations in the beginning of the code*/

    int a; //int variable
    char c; // char variable
    float f; //float variable
    double d; //double variable
    int p, q, r; //multiple declarations
    /* int p, char q; invalid declaration*/

    printf("%s", "Hello world!\n"); //print "Hello world!" on the
console

    //initialising a variable within the code
    a = 6;
    c = 'p';

    //initialising a variable by taking input from user
    printf("Enter the value of p: ");
    scanf("%d", &p);
    printf("%d\n%c\n", p, c); //print the value

}
```