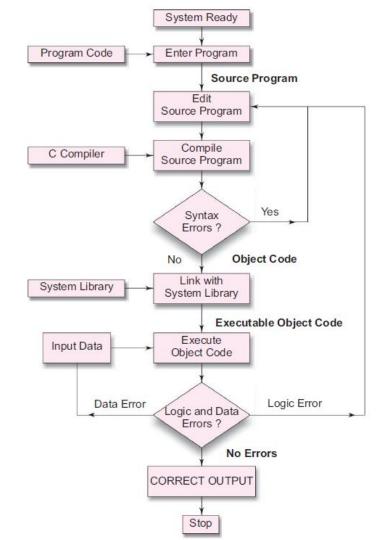
Basic Structure

Link Section				
Def	Definition Section			
Glo	bal Declaration S	Section		
mai	in () Function Se	ction		
{				
	Declaration pa	art		
	Executable pa	art		
}				
Sub	program section			
	Function 1			
	Function 2			
	_	(User-defined functions)		
	_			
	Function n			

Execution Sequence



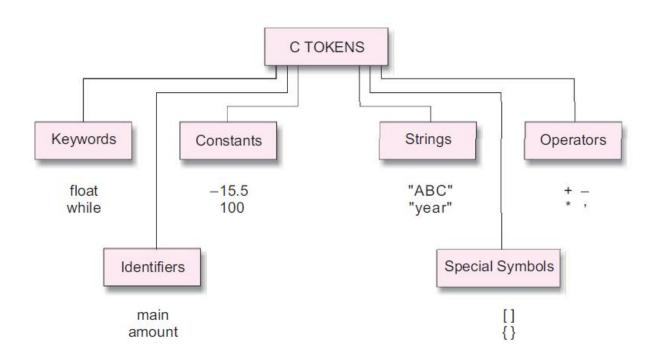
Distance conversion

```
#include<stdio.h>
                                                                     #include<stdio.h>
int main() {
                                                                     int main() {
      float km = 1;
                                                                            float km, meters;
       float meters;
                                                                            printf("Enter Distance in km:\n");
       printf("Distance in km: %5.2f \n", km);
                                                                            scanf("%f", &km);
       meters = km * 1000;
                                                                            meters = km * 1000;
       printf("Distance in meters: %5.2f \n", meters);
                                                                            printf("Distance in meters: %5.2f \n", meters);
                                                                            return 0;
      return 0;
```

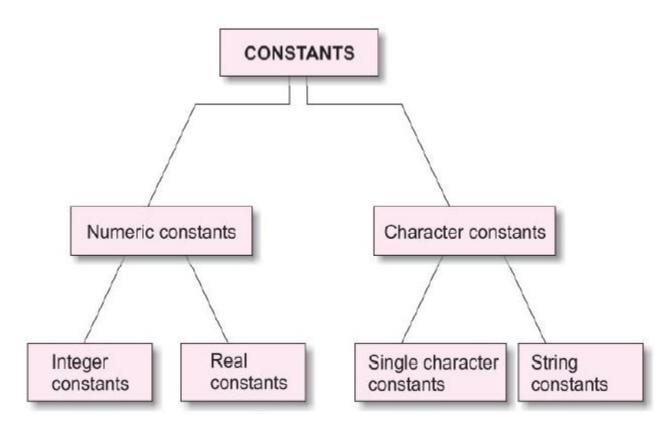
Calculate Simple Interest

```
#include<stdio.h>
int main() {
       float principle, rate, time, simpleInt;
       printf("Enter principle, rate, and time respectively:\n");
       scanf("%f %f %f", &principle, &rate, &time);
       simpleInt = (principle * rate * time)/100;
       printf("Simple Interest: %5.2f \n", simpleInt);
       return 0;
```

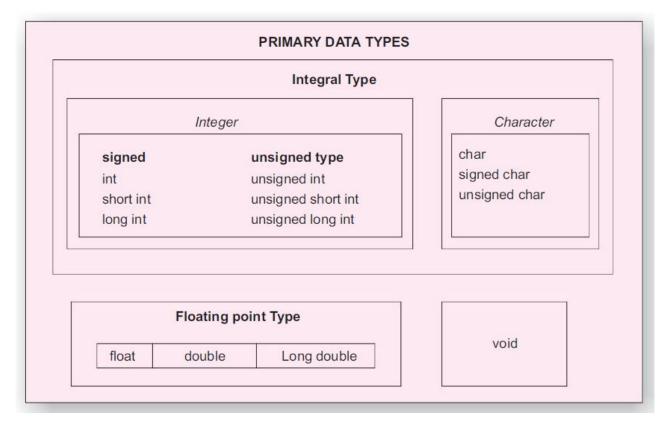
C Tokens



Constants



Data Types



Range

Data type	Range of values
char	-128 to 127
int	-32,768 to 32,767
float	3.4e-38 to 3.4e+e38
double	1.7e-308 to 1.7e+308