

### Quick syntax reference

	Syntax	Examples
<b>Input data from the keyboard</b>	<code>scanf(format,&amp;variables) ;</code>	<code>char grade ; int age ; scanf("%c %d",&amp;grade,&amp;age) ;</code>
<b>Input a single character from the keyboard</b>	<code>variable=getchar() ;</code>	<code>char_in=getchar() ;</code>
<b>Output a single character to the screen</b>	<code>putchar(variable) ;</code>	<code>putchar(char_out) ;</code>

### Exercises

1. What is wrong with this program?

```
#include <stdio.h>
main()
{
    int num;
    printf( "Please type a number followed by Enter" ) ;
    scanf( "%f",num ) ;
    printf( "The number you typed was: %d",num ) ;
}
```

2. Write a single `scanf()` statement to input values from the keyboard for each of the following:

- (a) `int first ;`
- (b) `int second, third, fourth ;`
- (c) `float principal, rate, time ;`
- (d) `char keyval1, keyval2 ;`
- (e) `long int total1, total2, total3 ;`
- (f) `char c ;  
int i ;  
float f ;  
long int l ;  
double d ;`

3. Write a program to input four numbers and display them in reverse order.