

Palomar College  
Computer Science &  
Information Technology  
CSCI 112 Programming Fundamentals I  
Chapter 2 - HW - 2

1. What are the building blocks of any function, write them down:

Preprocessor directives

Function title

{ var declarations input statement processing state output state }

2. What is a variable and what are the three parts of any variable?

- a. Why initialize a variable?

it tells the computer the type of data stored

C requires it, C will grab a random # if not initialized

- b. What are the types of variables introduced today?

int, double, char

3. What is a comment and why?

a brief description of your code. comments are

used to understand other people's code without

looking at the "pretty paperwork" it was based on.

4. What is a reserved word in any programming language?

word w/ special meaning in any language

identifiers from standard library / names for memory cells

5. Write a function that asks the user for a number and then prints your name and the number entered.

- a. Once it is running write the code here:

```
#define CRT_
```

```
#include <stdio.h>
```

```
int main (void)
```

```
{ //var declarations
```

```
int num = 0;
```

```
// out put
```

```
printf("Pick a number. \n");
```

```
//input
```

```
scanf("Adolfo: %d", &num);
```

```
return (0);
```

```
}
```

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6. Download source code datatypes.txt and use the debugger.
  - a. Set watch points after every major "milestone" in the code input, process, output
  
7. Download the source code milestokilo.txt and run it using the debugger.
  - a. Why is the debugger your best friend?

It told me what might be the  
cause and how to fix it.