

Function Prototypes

1. Identify the prototypes of the following functions:

- a. A function called lastChars which uses a string as input and returns the last two characters in the string.
- b. A function called isSquare that responds to its caller the result of a test: the test is whether or not an integer is a perfect square. (For example, 16 is a perfect square, but 5 is not.)
- c. A function called sumDigits which returns the sum of the digits of an integer.
- d. A function called isSmall that returns an answer of true if a double precision parameter has a value between 0 and 0.001. (It returns false otherwise.)
- e. A function called randomColor. The function generates a random number and based on that number chooses a color. The color is returned.

2. The following C++ program calls five different functions. What are the prototypes

```
int main ( )
{
    int x, c;
    double r;
    x = readData(); //6. readData
    for (c = 0; c < 5; c++)
        printValues (x, r + 1); //7. printValues
    x = adjust(x + 2); //8. adjust
    r = max3(x, c, 10); //9. max3
    return fun(x + c, x - c); //10. fun
}
```