Indicate the value and type associated with the evaluation of each of the following expressions (the first is an example):

```
17;                 // <17, int>
```

2
```
-321.428;           //
```

4
```
'A';                //
```

6
```
7+2;                //
```

8
```
33/7;               //
```

10
```
33%7;               //
```

12
```
'C'-2;              //
```

Write a program that prompts the user to enter a positive integer and then displays all of the integer values between zero and the number that are divisible by three.

Write the function prototype for the cos() function from the cmath library. What is the purpose of function prototypes?

Write a function that will prompt the user to enter the name of a data file containing floating point numbers, open the data file, and return the third number in the data file.

Describe at least two differences between an array of `double`s and a `vector` of `double`s.

Write a function that accepts a list of `int`s and returns the average value of all the elements contained in the list.