Quiz#1

Question#1 write output of the following program:

```
#include <iostream>
using namespace std;
int main()
{
int n = 4, k = 2;
cout << ++n << endl;
cout << n << endl;
cout << n++ << endl;
cout << n << endl;
cout << -n << endl;
cout << n << endl;
cout << --n << endl;
cout << n << endl;
cout << n-- << endl;
cout << n << endl;
cout << n + k << endl;
cout << n << endl;
cout << k << endl;
cout << n << k << endl;
cout << n << endl;
cout << " " << n << endl;
cout << " n" << endl;
cout << "\n" << endl;
cout << " n * n = "; //CAREFUL!
cout << n * n << endl;
cout << 'n' << endl;
return 0;
}
```

Question#2 What is the output of the program below?

```
#include <iostream>
using namespace std;
int main()
{
int n = 3;
while (n >= 0)
{
```

```
cout << n * n << endl;
--n;
}
cout << n << endl;
while (n < 4)
cout << ++n << endl;
cout << n << endl;
while (n >= 0)
cout << (n /= 2) << endl;
return 0;
}
```

Question#3

Write a function named "`sum`" that takes as its arguments the following:
(1) an array of floating point values;
(2) an integer that tells how many floating point values are in the array.
The function should return as its value the sum of the floating point values in the array. Thus, for
example, if the array that's passed to the function looks like this:

```
  0     1      2      3     4
5.8 | 2.6 | 9.0 | 3.4 | 7.1
```

then the function should return the value 27.9 as its value.

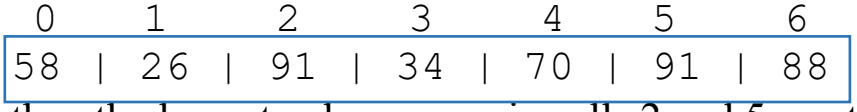
Question#4

Write a function named "`location_of_largest`" that takes as its arguments the following:
(1) an array of integer values;
(2) an integer that tells how many integer values are in the array.
The function should return as its value the subscript of the cell containing the largest of the values in the
array. Thus, for example, if the array that's passed to the function looks like this:

```
0 1 2 3 4
58 | 26 | 90 | 34 | 71
```

then the function should return the integer 2 as its value. If there is more than one cell containing the

largest of the values in the array, then the function should return the smallest of the subscripts of the
cells containing the largest values. For example, if the array that's passed to the function is



then the largest value occurs in cells 2 and 5 , so the function should return the integer value 2 .