Assignment 1

Use open parameter list to accept a list of integers and show the average

Ask user for number of parameters, depending on that accept all the parameters, then display the average.

Note : use of function with open parameter list is compulsory

Assignment 2

Use function `void swap(int &a, int &b) in Bubble sort program;`

Accept 10 int values from user, then use bubble sort algorithm to sort the array.

To swap values use the call the reference function as described above.

Assignment 3

1. Identify the error correct it in the following program.

```
#include <iostream.h>
int fun()
{
    return 1;
}
float fun()
{
    return 10.23;
}
void main()
{
    cout <<(int)fun() << ' ';
    cout << (float)fun() << ' ';
}
```

2. Identify the error and correct it in the following program.

```
#include <iostream.h>
void display(const Int constl=5)
{
  const int const2=5;
  int arrayl[constl];
  int array2[const2];
  for(int 1=0; i<5; 1++)
  {
    arrayl[i] = i;
    array2[i] = i*10;
    cout <<arrayl[i]<< ' ' << array2[i] << ' ' ;
  }
}
void main()
{
  display(5);
}
```

3. Identify the error and correct in the following program.

```
#include <iostream.h>
int gValue=10;
void extra()
{
    cout << gValue << ' ';
}
void main()
{
   extra();
   {
   int gValue = 20;
   cout << gValue << ' ';
   cout << : gValue << ' ';
   }
}
```

Assignment 4

Write an inline function to find the largest of three numbers. Accept the numbers from user.

Note : use inline function

Assignment 5

Write a function power() to raise a number m to power n. The function takes a double value for m and int value for n and returns the result correctly. Use a default value of 2 for n to make the function to calculate the squares when this argument is omitted. Write a main that gets the values of m and n from the user to test the function

Assignment 6

Same function as in Assignment 5, but overload to make another function with both parameters as int.