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.

Assignment 7

Write a function to accept two 3X4 matrix, multiply them and display the result in the following format –

1 2 3 4

2 3 4 5

3 4 5 6

Assignment 8

Write a function to accept the size of matrix from user.

Then accept all the data for the first matrix.

The second matrix should hold the raise to power for each item of the first matrix.

Display the output in a similar fashion as Assignment 7