

BIL 104E QUIZ 4 (Section B)

1) Write a function `drawRect(int n, int m)` that draws a empty rectangle with * where the length of sides are n and m.

```
void drawRect(int n, int m){  
  
    for(int i=0; i!=n; i++) {  
for(int j=0; j!=m; j++){  
if(i==0 || i==n-1 || j==0 || j==m-1) cout<<"x";  
else  
cout<<" ";  
}  
cout<<endl;  
}  
  
}
```

2. Write a function `g_d` to find the greatest divisor of the parameter other than itself.

```
int g_d(int n){  
  
    int max=0;  
for(int i=1; i<n; i++){  
if(n%i==0)max=i;  
}  
Return max; }
```

```
}
```

3. What is the output of the following program

```
#include <iostream>
using namespace std;

int fun1(int x1, int x2);
void fun2(int &x1, int x2, int &x3);
void fun3(int &z);

int main(){
```

```

    int x=4,y=2,z=5;
    fun2(z, int x, int &y);
    cout << x << " " << y << " " << z << endl;
    fun3(int &x);
    cout << x << " " << y << " " << z << endl;
    y = fun1(int x, int z);
    cout << x << " " << y << " " << z << endl;

    return 0;
}

int fun1(int x1, int x2){
    return x1/x2*5;
}

void fun2(int &x1, int x2, int &x3){
    x1 = x2 * x3 - x1;
    x3 = x1 - x2;
}

void fun3(int &z){
    z = z/3;
}

```

Output:

4 -1 3

1 -1 3

1 0 3