Assignment 1

1.What is the output of the following code?

```c
#include <stdio.h>

int main(){
    int a=1;
    int b=1;
    int x = 0;
    int y = 0;
    for (int i=0;i<5;i++){
        x += a++;
        y += ++b;
    }
    printf("%d %d %d %d\n",a,b,x,y);
    return 0;
}
```

1. 6 6 15 21

2 .6 6 15 20

3. 5 5 10 15

4. 5 5 10 14

2. Which of the following calculates the maximum value correctly?

```c
int a,b;
1.if(a>b){

        max= a;
    }
    else{
        max=b;
    }

2.int max = a > b ? a:b;


3.int max= a<b ? b:a;


4.int max= a<b ? b:a;
```