

OOP Lab Exam

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Question 1

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

class test1;
class test2
{
    int number;
public:
    int value(int num1)
    {
        number=num1;
    }
    friend void add(test2,test1);
};

class test1{
    int number;
public:
    int value(int num2)
    {
        number=num2;
    }
    friend void add(test2,test1);
};

void add (test2 A, test1 B )
{
    cout<<"sum= "<<A.number+B.number;
}

int main(){
    test2 A;
    test1 B;
    A.value(10);
    B.value(105);
```

```
    add(A,B);  
}
```

Output

```
PS C:\Users\KIIT\Documents\coding> cd "c:\Users\KIIT\Documents\coding\3rd semester\OOP lab\" ; if ($?) { g++ tempCodeRunnerFile.cpp -o tempCodeRunnerFile } ; if ($?) { .\tempCodeRunnerFile }  
sum= 115  
PS C:\Users\KIIT\Documents\coding\3rd semester\OOP lab> █
```

Question 2

```
#include <iostream>  
using namespace std;  
  
class Operation{  
    public:  
    int add(int numbera, int numberb){  
        return numbera+numberb;  
    }  
    int add(int numbera, int numberb, int numberc){  
        return numbera+numberb+numberc;  
    }  
};  
  
int main(){  
    Operation A;  
    int sum1,sum2;  
    sum1=A.add(3,4);  
    sum2=A.add(12,13);  
    cout<<sum1<<" "<<sum2<<endl;  
}
```

Output

```
PS C:\Users\KIIT\Documents\coding> cd "c:\Users\KIIT\Documents\coding\3rd semister\OOP lab\" ; if ($?) { g++ test_q2.cpp -o test_q2 } ; if ($?) { .\test_q2 }
7,25
PS C:\Users\KIIT\Documents\coding\3rd semister\OOP lab> █
```