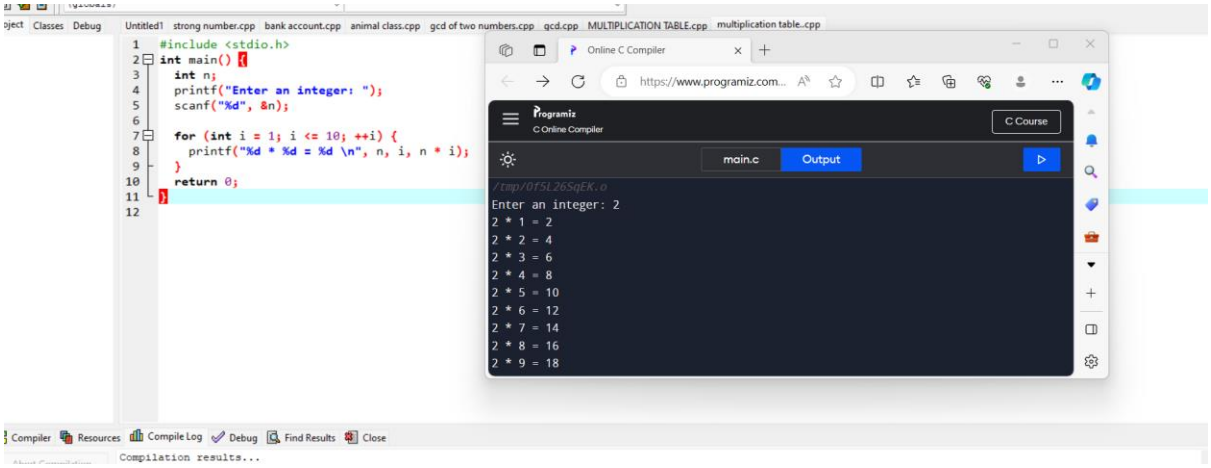
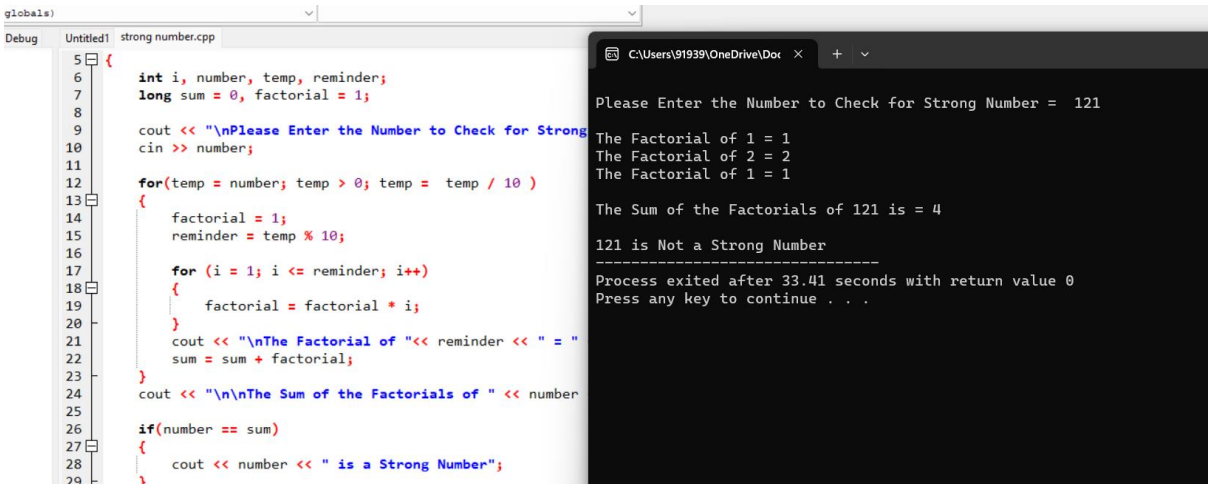
MODEL PRACTICAL EXAM

1)MULTIPLICATION TABLE



2)STRONG NUMBER



3)PATTERN

```cpp
    std::cin >> n;

    // Loop to iterate through rows
    for (int i = 1; i <= n; ++i) {
        // Loop to print spaces
        for (int j = 1; j <= n - i; ++j) {
            std::cout << " ";
        }

        // Loop to print increasing numbers
        for (int k = 1; k <= i; ++k) {
            std::cout << k;
        }

        // Loop to print decreasing numbers
        for (int l = i - 1; l >= 1; --l) {
            std::cout << l;
        }

        // Move to the next line after each row
        std::cout << "\n";
    }

    return 0;
}
```

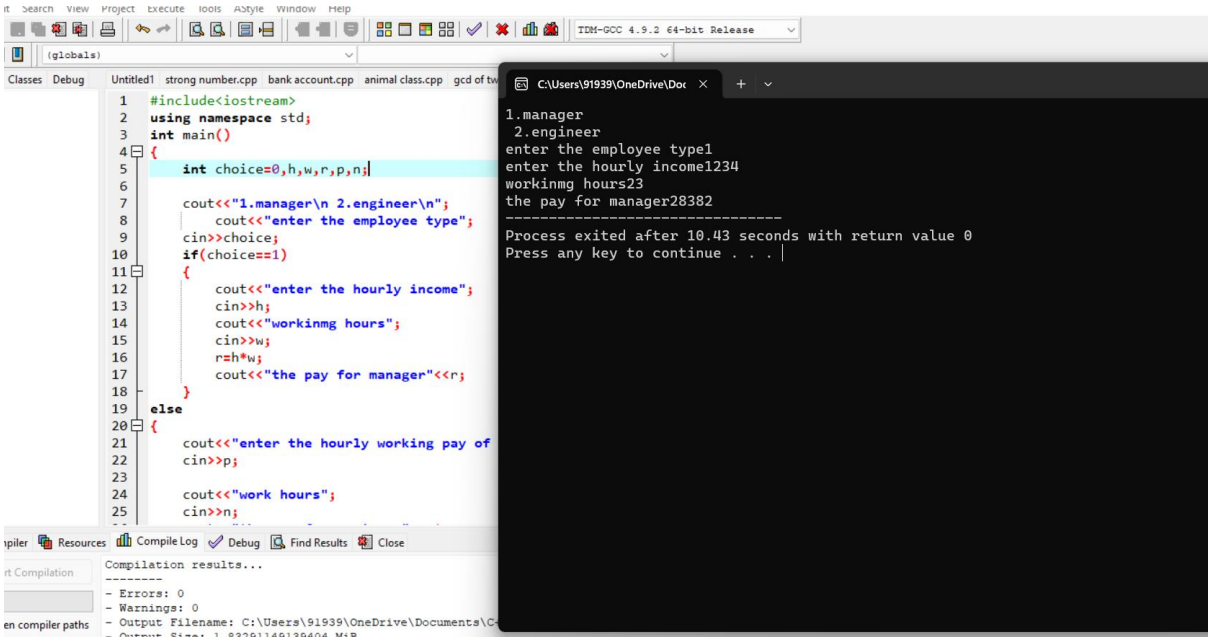
```
/tmp/kptWkR97WY.o
Enter the number of rows: 5
1
   121
  12321
 1234321
123454321
```

4)GCD

```cpp
#include <stdio.h>
int main()
{
    int n1, n2, i, gcd;

    printf("Enter two integers: ");
    scanf("%d %d", &n1, &n2);

    for(i=1; i <= n1 && i <= n2; ++i)
    {

        if(n1%i==0 && n2%i==0)
            gcd = i;
    }

    printf("G.C.D of %d and %d is %d"

    return 0;
}
```

```
Enter two integers: 12
23
G.C.D of 12 and 23 is 1
--------------------------------
Process exited after 26.97 seconds with return value 0
Press any key to continue . . .
```

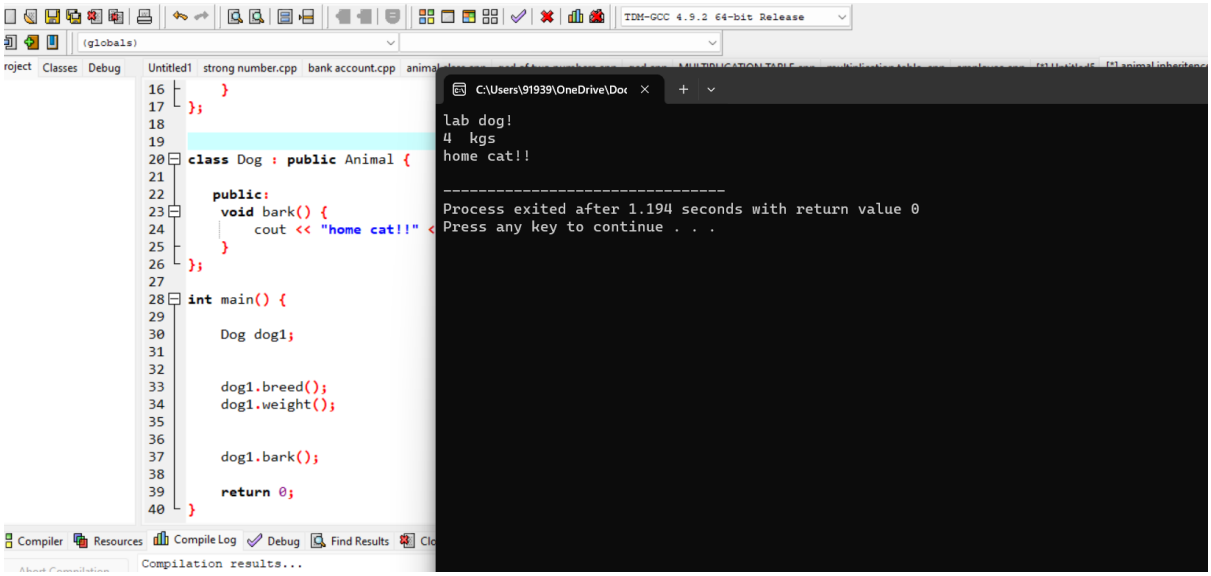
5)CLACULATE PAY OF EMPLOYEE



```
#include<iostream>
using namespace std;
int main()
{
    int choice=0,h,w,r,p,n;

    cout<<"1.manager\n 2.engineer\n";
        cout<<"enter the employee type";
    cin>>choice;
    if(choice==1)
    {
        cout<<"enter the hourly income";
        cin>>h;
        cout<<"workinmg hours";
        cin>>w;
        r=h*w;
        cout<<"the pay for manager"<<r;
    }
else
{
    cout<<"enter the hourly working pay of
    cin>>p;

    cout<<"work hours";
    cin>>n;
```

```
1.manager
 2.engineer
enter the employee type1
enter the hourly income1234
workinmg hours23
the pay for manager28382
--------------------------------
Process exited after 10.43 seconds with return value 0
Press any key to continue . . .
```

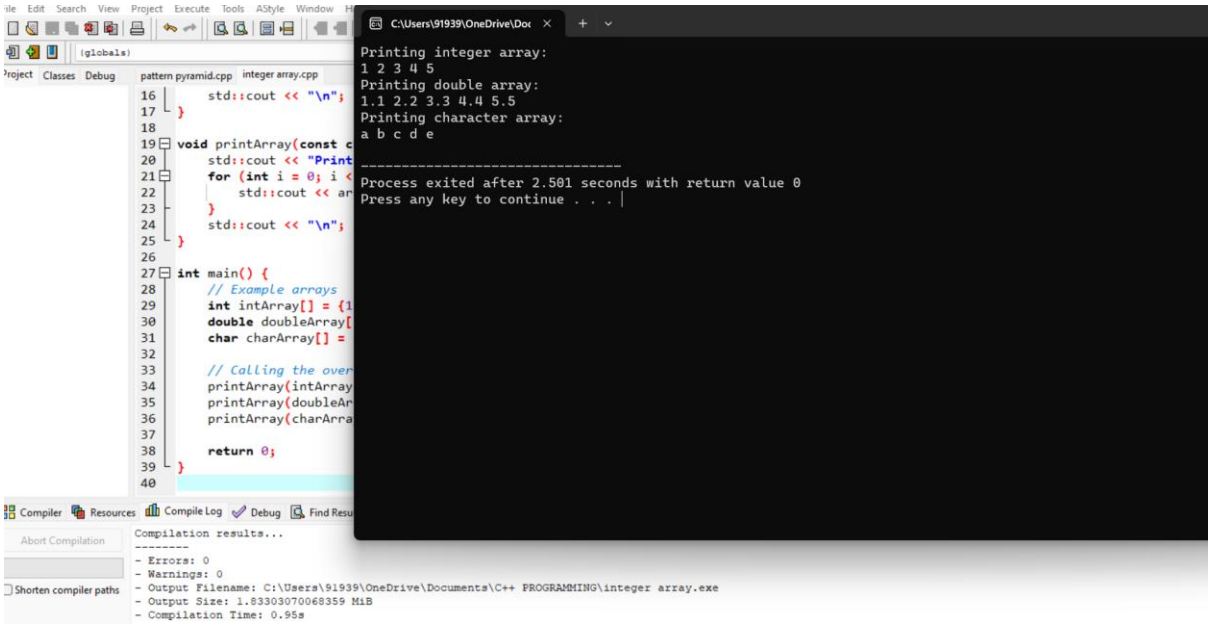
6)ANIMAL CLASS



```
    }
};

class Dog : public Animal {

   public:
    void bark() {
        cout << "home cat!!" <
    }
};

int main() {

    Dog dog1;


    dog1.breed();
    dog1.weight();


    dog1.bark();

    return 0;
}
```

```
lab dog!
4  kgs
home cat!!

--------------------------------
Process exited after 1.194 seconds with return value 0
Press any key to continue . . .
```

7)INTEGER ARRAY ,DOUBLE ARRAY ,CHARACTER ARRAY



8) BANK ACCOUNT