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46150

OOP_LABTASK-AFTER MIDS

Task 1.

```
task1.h task1.cpp main.cpp com.cpp mammal1,h.cpp mammal1.cpp comp2.cpp
     #include<iostream>
2
     using std::cout;
 3
     using std::endl;
 4 class base{
 5
         public:
 6
             virtual void testfunction();
7 └ };
8 - class derived : public base{
9
         public:
10
             void testfunction();
11
12 void base::testfunction(){
         cout<<"base class"<<endl;</pre>
13
14 L }
15 ☐ void derived::testfunction(){
         cout<<"derived class"<<endl;</pre>
17 L }
18 ☐ int main(void){
19
         base*ptr = new base;
20
         ptr->testfunction();
21
         delete ptr;
22
          ptr = new derived;
23
         ptr -> testfunction();
24
         delete ptr;
25
         return 0;
26 └ }
```

OUTPUT

```
Dase class
derived class

------

Process exited after 9.829 seconds with return value 0

Press any key to continue . . .
```

Changing:

We have used virtual function for polymorphism

TASK 2

```
## Impragma once
## include
```

OUTPUT