

1. typeid operator that returns ----- of type\_info class while using the run time type information feature of c++.

```
2. #include<iostream>
int main()
{
    int x=10,y=0;
    try
    {
        if(y==0)
            throw 1;
        else
        {
            int res=x/y;
            std::cout<<"res::"<<res<<std::endl;
        }
    }
    catch(...)
    {
        std::cout<<"error inside ...catch"<<std::endl;
    }
    catch(int)
    {
        std::cout<<"Enter Other Than 0"<<std::endl;
    }
    catch(char)
    {
        std::cout<<"can not divide by zero"<<std::endl;
    }
    return 0;
}
```

3. To which type of class, we can apply RTTI?

```
4. #include<iostream>
using namespace std;
namespace NDiamondProblem
{
    class A
    {
    public:
        int a;
        A()
        {
            this->a=10;
            cout<<"inside parameterless ctor of class A"<<endl;
        }
    };
    class B: public A
    {
    public:
        int b;
        B()
        {
            this->b=20;
            cout<<"inside parameterless ctor of class B"<<endl;
        }
    };
    class C: public A
    {
    public:
        int c;
```

```

        C()
        {
            this->c=30;
            cout<<"inside parameterless ctor of class C"<<endl;
        }
    };
    class D: public C, public B
    {
        public:
            int d;
            D()
            {
                this->d=40;
                cout<<"inside parameterless ctor of class D"<<endl;
            }
    };
}
using namespace NDiamondProblem;
int main()
{
    D obj1;
    return 0;
}
note: consider 64 bit compiler
what will be size of D class object ?

```

5. Compile time polymorphism is also called \_\_\_\_\_.
6. If we call any virtual/non virtual function on object then it is considered as?
7. When the call to the function is resolved at compile time it is called as compile time polymorphism. And it is achieved by using ----- and -----.
8. Syntax for Pure Virtual Function is \_\_\_\_\_ .
9. If we redefine virtual function of base class into derived class as same signature, then this process is called as?
10. When VTABLE (Virtual table) get created for a class?