

Run

Save

```

1 #include<iostream>
2 using namespace std;
3 class person
4 {
5     char c[50];
6     int a;
7     char g[50];
8     public :
9     void read ()
10    {
11        cin>>c>>a>>g;
12        cout<<"\n\nname    :: "<<c<<"\nage    :: "<<a<<"\n"
13    }
14 };
15 class teacher : public person
16 {
17     char s[50];
18     int sal;
19     public :
20     void read1()
21     {
22         cin>>s>>sal;
23         cout<<"subject :: "<<s<<"\nsalary    :: "<<sal<<endl;
24     }
25 };
26 class student : public person
27 {
28     int r,cl;
29     char sec[50];
30     public :
31     void read2()
32     {
33         cin>>r>>cl>>sec;
34         cout<<"roll no :: "<<r<<"\nclass    :: "<<cl<<"th star
35     }
36 };
37 main()
38 {
39     teacher t1;
40     student s1;
41     cout<<"-----teacher-----\n";
42     t1.read();
43     t1.read1();
44     cout<<"\n-----student-----\n";
45     s1.read();
46     s1.read2();
47 }

```

```

nithin 27 male english 90000
mithun 18 male 21 12 b

```

-----teacher-----

```

name    :: nithin
age     :: 27
gender  :: male
subject :: english
salary  :: 90000

```

-----student-----

```

name    :: mithun
age     :: 18
gender  :: male

roll no :: 21
class   :: 12th standard
section :: b

```



Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 class shape
4 {
5     public:
6     int l,b,h;
7     void read()
8     {
9         l=5;
10        b=6;
11        h=2.5;
12    }
13 };
14 class triangle : public shape
15 {
16     public:
17     void read1()
18     {
19         float area,p;
20         area=0.5*h*b;
21         p=l+b+h;
22         cout<<"-----TRIANGLE-----\nbase
23         cout<<"Area Of Triangle      ::  "<<area<<"\nperimete
24     }
25 };
26 class rectangle : public shape
27 {
28     public:
29     void read2()
30     {
31         float area,p;
32         area=5*5;
33         p=2*(l+b);
34         cout<<"-----RECTANGLE-----\nlength
35         cout<<"Area Of Rectangle      ::  "<<area<<"\nPeri
36     }
37 };
38 int main()
39 {
40     triangle t1;
41     t1.read();
42     t1.read1();
43     rectangle r1;
44     r1.read2();
45 }
```

Your INPUT go's here! Give only values. do not give like a=10

```
-----TRIANGLE-----
base      ::  5cm
height    ::  5cm
Area Of Triangle  ::  6
perimeter of triangle ::  13
-----RECTANGLE-----
length    ::  5cm
breadth   ::  5cm
Area Of Rectangle  ::  25
Perimeter Of Rectangle::  26
```



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```
1 #include<iostream>
2 using namespace std;
3 class animal
4 {
5     public:
6     void eat()
7     {
8         cout<<"dog and cat-->>"<<endl;
9     }
10 };
11 class cat : public animal
12 {
13     public:
14     void sleep()
15     {
16         cout<<"cat name :: pilli\ncatbread :: donga\n cat weight :: 19kgs\n cat colour :: white\n";
17     }
18 };
19 class dog : public cat
20 {
21     public:
22     void bark()
23     {
24         cout<<"dog name :: kukka\ndogbread :: langa\ndog weight :: 30kgs\n dog colour :: black\n";
25     }
26 };
27 int main()
28 {
29     animal n;
30     cat cat1;
31     dog dog1;
32     n.eat();
33     cat1.sleep();
34     dog1.bark();
35 }
```

Your INPUT go's here! Give only values. do not give like a=10

```
dog and cat-->>
cat name :: pilli
catbread :: donga
cat weight :: 19kgs
cat colour :: white
dog name :: kukka
dogbread :: langa
dog weight :: 30kgs
dog colour :: black
```



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```
1 #include<iostream>
2 using namespace std;
3 class vehicle
4 {
5     public:
6     void read()
7     {
8         cout<<"make          :: car and truck\nmodel
9     }
10 };
11 class car : public vehicle
12 {
13     public:
14     void read1()
15     {
16         cout<<"-----CAR-----\ncar model :: thar\nseat
17     }
18 };
19 class truck : public vehicle
20 {
21     public:
22     void read2()
23     {
24         cout<<"-----truck-----\ntruck model :: mahind
25     }
26 };
27 int main()
28 {
29     car c1;
30     c1.read();
31     c1.read1();
32     truck t1;
33     t1.read2();
34 }
```

Your INPUT go's here! Give only values. do not give like a=10

```
make          :: car and truck
model         :: mahindra thar
year          :: 2022
-----CAR-----
car model :: thar
seating type :: 4*4
fuelcapacity :: 30lts
-----truck-----
truck model :: mahindra
seating type :: 2*2
fuelcapacity :: 50lts
```



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```
1 #include<iostream>
2 using namespace std;
3 class employee
4 {
5     public:
6     void read()
7     {
8         cout<<"employee types and details --->> manager and
9     }
10 };
11 class manager : public employee
12 {
13     public:
14     void read1()
15     {
16         cout<<"-----MANAGER----- \n employee type :: m
17     }
18 };
19 class engineer : public employee
20 {
21     public:
22     void read2()
23     {
24         cout<<"-----ENGINEER-----\n employee type :: e
25     }
26 };
27 int main()
28 {
29     manager e1;
30     e1.read();
31     e1.read1();
32     engineer e2;
33     e2.read2();
34 }
```

Your INPUT go's here! Give only values. do not give like a=10

```
employee types and details --
>> manager and engineer
-----MANAGER-----
employee type :: manager
manager name :: mithun
salary :: 90k
bonus :: 15k
-----ENGINEER-----
employee type :: engineer
manager name :: nithin
salary :: 70k
bonous :: 7k
```



Questions

84. Write a C++ program to create a pointer to an integer and display its value.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int x;
6     int* y=&x;
7     cin>>x;
8     cout<<"address of x: "<<y<<endl;
9     cout<<"value of x: "<<*y;
10    return 0;
11 }
```

5



Questions

85. Write a C++ program to create a pointer to a float and display its value.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     float x;
6     float* px=&x;
7     cin>>x;
8     cout<<"address of x: "<<px<<"\n";
9     cout<<"value of x: "<<*px;
10    return 0;
11 }
```

3.77



Questions

86. Write a C++ program to create a pointer to a double and display its value.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array-Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     double v,*p;
6     p=&v;
7     cin>>v;
8     cout<<"value of double: "<<*p<<endl;
9     cout<<"address of double: "<<p;
10    return 0;
11 }
```

5



Questions

87. Write a C++ program to create a pointer to a char and display its value.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array-Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 #include<string.h>
3 using namespace std;
4 int main()
5 {
6     char q;
7     char* p=&q;
8     cin>>q;
9     cout<<"address of char: "<<p<<endl;
10    cout<<"value of char: "<<*p;
11    return 0;
12 }
```

S



Questions

88. Write a C++ program to create a pointer to a string and display its value.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 #include<string.h>
3 using namespace std;
4 int main()
5 {
6     string s="hello world";
7     string* p=&s;
8     cout<<"address of s:"<<p<<endl;
9     cout<<"value of s: "<<*p;
10    return 0;
11 }
```

Your INPUT go's here! Give only values. do not give like a=10



Questions

89. Write a C++ program to create a pointer to an array of integers and display its values.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array-Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i,arr[]={1,2,3,4,5};
6     int n=sizeof(arr)/sizeof(arr[0]);
7     int* p=arr;
8     cout<<"elements of array:\n";
9     for(i=0;i<n;i++)
10     {
11         cout<<*(p+i)<<" "<<endl;
12     }
13     cout<<"address of array: "<<p<<endl;
14     return 0;
15 }
```

Your INPUT go's here! Give only values. do not give like a=10



Questions

90. Write a C++ program to create a pointer to an array of characters and display its values.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     char arr[]="saptha negeswar";
6     char* p=arr;
7     cout<<"address of character: "<<*p<<endl;
8     cout<<"value of character: "<<p;
9     return 0;
10 }
```

Your INPUT go's here! Give only values. do not give like a=10



Questions

91. Write a C++ program to create a pointer to an array of floats and display its values.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     float arr[]={1.2,3.4,5.6,7.8};
6     int n=sizeof(arr)/sizeof(arr[0]);
7     int i;
8     float* p=arr;
9     cout<<"elements in array:\n";
10    for(i=0;i<n;i++)
11    {
12        cout<<*(p+i)<<" "<<endl;
13    }
14    cout<<"address of array"<<p;
15    return 0;
16 }
```

Your INPUT go's here! Give only values. do not give like a=10



Questions

93. Write a C++ program to create a pointer to a function and call the function using the pointer.

Pointer to Fun.

Pointer to Obj.

Array-Float

Array-Char

Array ~Int

String

Char

Double

Float

Integer

Employee

Vehicle

Animal

Shape

Person

Run

Save

```
1 #include<iostream>
2 using namespace std;
3 int add(int,int);
4 int add(int a,int b)
5 {
6     return a+b;
7 }
8 int main()
9 {
10     int (*p)(int,int);
11     p=&add;
12     int sum=(*p)(1234,5678);
13     cout<<"sum: "<<sum;
14     return 0;
15 }
```

Your INPUT go's here! Give only values. do not give like a=10