

```

3 using namespace std;
4
5 int main(){
6
7     double b[3][2]={10,20,30,40,50,60};
8
9     cout<<"size (in bytes) of b as an array "<<sizeof(b)<<endl;
10
11     cout<<"size (in bytes) of b as a pointer "<<sizeof(b+0)<<endl;
12
13     cout<<"size (in bytes) of b[0] as an array "<<sizeof(b[0])<<endl;
14
15     cout<<"size (in bytes) of b[0] as a pointer "<<sizeof(b[0]+1)<<endl;
16
17     cout<<"size (in bytes) of b[1] as an array "<<sizeof(b[0])<<endl;
18
19     cout<<"size (in bytes) of b[1] as a pointer "<<sizeof(b[0]+1)<<endl;
20
21     cout<<"size (in bytes) of b[2] as an array "<<sizeof(b[0])<<endl;
22
23     cout<<"size (in bytes) of b[2] as a pointer "<<sizeof(b[0]+1)<<endl;
24
25     cout<<"address of b[0] "<<&b[0]<<endl;
26
27     cout<<"value of b+0 "<<b+0<<endl;
28
29     cout<<"address of b[1] "<<&b[1]<<endl;
30
31     cout<<"value of b+1 "<<b+1<<endl;
32
33     cout<<"address of b[2] "<<&b[2]<<endl;
34
35     cout<<"value of b+2 "<<b+2<<endl;
36
37     int i;
38
39     cout<<sizeof(i)<<endl;
40
41
42

```

The output:

```

size (in bytes) of b as an array 48
size (in bytes) of b as a pointer 8
size (in bytes) of b[0] as an array 16
size (in bytes) of b[0] as a pointer 8
size (in bytes) of b[1] as an array 16
size (in bytes) of b[1] as a pointer 8
size (in bytes) of b[2] as an array 16
size (in bytes) of b[2] as a pointer 8
address of b[0] 0x6ffe20
value of b+0 0x6ffe20
address of b[1] 0x6ffe30
value of b+1 0x6ffe30
address of b[2] 0x6ffe40
value of b+2 0x6ffe40
4

-----
Process exited after 1.777 seconds with return value 0
Press any key to continue . . .

```