

QUIZ #2
p20-0471
Najam ALI Abass

Q1. SOURCE CODE:

```
#include <iostream>
using namespace std;
int main()
{
    int num=23;
    cout<<"value of a before changing: "<<num<<endl;
    num=14;
    int num1=44;
    cout<<"value of b before changing: "<<num1<<endl;num1=25;
    int num2=69;
    cout<<"value of c before changing: "<<num2<<endl;
    num2=26;
    int *pntr;
    pntr=&num;
    int *pntr1;
    pntr1=&num1;
    int *pntr2;
    pntr2=&num2;
    cout<<"value of num after changing through pointer:
"<<*pntr<<endl;
    cout<<"value of num1 after changing through pointer:
"<<*pntr1<<endl;
    cout<<"value of num2 after changing through pointer:
"<<*pntr2<<endl;
    return 0;
}
```


OUTPUT:

```
value of a before changing: 23
value of b before changing: 44
value of c before changing: 69
value of num after changing through pointer: 14
value of num1 after changing through pointer: 25
value of num2 after changing through pointer: 26
[1] + Done                                     "/usr/bin/gdb" --in
n-aiavhhxg.8we" 1>"/tmp/Microsoft-MIEngine-Out-9gt4l
ianxGctia program: (Documents/a_plus_plus$ □
```

QUESTION3:

SOURCE CODE:

```
#include <iostream>
using namespace std;
int main()
{
int arr[]={2,23,21,25,34,31,22,20};
int *ptr;
ptr=arr;
cout<<"values of the array through indexes "<<endl;
for (int i=0; i<8; i++){
cout<<arr[i]<<" ";
}cout<<endl;
cout<<"values of the array through at addresses "<<endl;
for (int i=0; i<8; i++){
cout<<*(arr+i)<<" ";
}
cout<<endl;
cout<<"values of the array through at pointers "<<endl;
for (int i=0; i<8; i++){
cout<<*(ptr+i)<<" ";
}
}
```



```
return 0;  
}
```

OUTPUT2:

```
values of the array through indexes  
2 23 21 25 34 31 22 20  
values of the array through at addresses  
2 23 21 25 34 31 22 20  
values of the array through at pointers  
2 23 21 25 34 31 22 20 [1] + Done  
mp/Microsoft-MIEngine-In-o5ec9rdc.0wc" 1>"
```