Name=_____   Rollnumber=_____

Quiz # 1

Write down the output of the following code segment or mention the error if it have.

```cpp
#include<iostream>
using namespace std;
int main()
{
        int arr[5]={3,6,8,2,4};
        int *p ,*q;              int a ,b;
        p= arr+1;           q=arr+3;
        cout << *p <<" " <<*q<<endl;
        a=*(p+3);         b=(*q)+3;
        cout<<a<<" "<<b<<endl;
        p=p+2;           q=q-*q;
        cout<<*p<<"   "<< *q<<endl;
        return 0;
}
```

```cpp
#include<iostream>
using namespace std;
int main()
{
      int a = 11, b = 22, c = 33;

      int * arr[5] = {&a, &b, &c};

      int const * const *ptr = &arr[1];

      --ptr;

      cout << **ptr << endl;

      return 0;
}
```

```cpp
#include<iostream>
using namespace std;
int main()
{
      double a = 5.0;
      double b = 7.0;
       double c = 8.0;
       double * dptr , * dptr2 ,* dptr3, ** dpptr;

      dptr = &b;
      dptr2 = &c;
      dptr3 = &a;
      dpptr = &dptr2;

      cout<<**dpptr;

      *dpptr = &a;
      *dpptr = dptr2;

      cout<<**dpptr;

      *dpptr = *dptr2;

      cout<<**dpptr;

      return 0;
}
```

Quiz # 1

```cpp
#include<iostream>
using namespace std;

void func (int * const* pptr , int * ptr)
{
      const int a = 10;
      * pptr = ptr ;
      ** pptr = a;
      * ptr  = &a;

}
int main()
{
    int i=10;
    int * p=&i;
    int * const * dp=&p;

    func(dp,&i);

    cout<<i;

    return 0;

}
```

```cpp
#include<iostream>
using namespace std;

struct Test
{
      int a;
      char ch[50];
};

int main()
{
      Test t = { 10,"abdullah" };

      t.a = 20;
      t.ch = "m.abdullah";

      cout << t.ch << endl;
      return 0;
}
```