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PAPER NAME : Object oriented programming

Paper Code : IT222

2 Ans)

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

```
class patient {
```

```
public :
```

```
    char name[100], disease[100];
    int age;
    int adm-d, adm-m, adm-y;
    int dis-d, dis-m, dis-y;
```

```
void getdata()
```

```
{
```

```
    cout << "Enter patient name";
    cin >> name;
```

```
    cout << "Enter patient age";
```

```

cin >> age;
cout >> "patient disease";
cin >> disease;
cout << "Admission date";
cin >> adm-d >> adm-m >> adm-y;
cout << "Discharge date";
cin >> d-dis >> d=dis-m >> dis-y.

```

```

Void display() {
    cout << "patient name: " << name;
    cout << "patient age " << age;
    cout << "patient disease " << disease;
    cout << "admission " << adm-d << adm-m
    << adm-y;
}

```

```

class date : public patient
{
public:
    void displaydate()
    {

```

```

        cout << "Admission " << adm-d << adm-m << adm-y;
        cout << "discharge " << dis-d << dis-m << dis-y;
    }
}

```

```

class hospital
{
    char name[50];
    patient * patient-list[20];
}

```

```

Void patientdata(patient *demo)
{ cout << endl << "data" << endl ;
  demo -> getdata();
}

```

```

Void patients()
{
  for (int i = 0 ; i < 10 ; i++)
  { patientdata(patientlist[i]);
  }
}

```

```

Void displayage()
{
  for (int i = 0 ; i < 10 ; i++)
  {
    if (patientlist[i].age < 12)
    { patientlist[i] -> display();
    }
  }
}

```

```

int main()
{
  hospital_name *hn
  hn -> patients()
  hn -> display_age();
}

```

a1) Ans #include <iostream>  
using namespace std.

```
class ISBN  
{  
    int countryNo;  
    int publishNo;  
    int digit;  
    int titleno;
```

```
    ISBN()  
{  
    countryNo = 0;  
    publishNo = 0;  
    titleno = 0;  
    digit = 0;  
}
```

```
String getISBN()  
{  
    return countryNo + " " + publishNo  
        + " " + titleno + " " + digit digit;  
}
```

```
void setISBN(int n1, int n2, int n3, int n4)  
{  
    countryNo = n1;  
    publishNo = n2;  
    titleno = n3;  
    digit = n4;  
}
```

class Book

```
{  
    String title;  
    String author;  
    String city;  
    String date, publication;  
    float price;  
    ISBN isbn No.  
}
```

Book (String tit, String auth, String pub, String city,  
String d, ~~String p~~ float price)

```
{  
    title = tit;  
    author = auth;  
    publication = pub;  
    price = p;  
    isbn Number = new ISBN()  
}
```

void setBook ISBN (int x, int y, int z, int m)

```
{  
    isbnNo set ISBN (x, y, z, m)  
}
```

```
String getAuthor() { return  
    return author  
}
```

```
String getBookISBN()
```

```
{  
    return isbnNumber.getISBN();
```

```
void print()
```

```
{
```

```
    cout << "Title of the book" << title;
```

```
    cout << "Book Author name" << author;
```

```
    cout << "Publisher name" << publisher;
```

```
    cout << "ISBN is" << getBookISBN();
```

```
}
```

```
};
```

```
int main()
```

```
{
```

```
    cout << "Create New ISBN";
```

```
}
```