Practical-2

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Title: Develop a Java program that implements a simple hotel room booking system using Two dimensional arrays. The system allows users to: View available and booked rooms, Book a room by selecting a floor and room number and exit the system when finished

INPUT:-

```java
import java.util.Scanner;
public class HM
{
public static void main(String[] args)
{
Scanner sc=new Scanner(System.in);
char [][]rooms=new char[3][4];
for(int i=0;i<3;i++)
{
for(int j=0;j<4;j++)
{
rooms[i][j]='A';
}
}
System.out.println("Available rooms are:");
for(int i=0;i<3;i++)
{
for(int j=0;j<4;j++)
{
System.out.print(rooms[i][j]+" ");
}
System.out.print("\n");
}
System.out.println("enter the row and coloumn which you want to book");
int c=sc.nextInt();
int r=sc.nextInt();
if (rooms[c-1][r-1]=='A')
{
System.out.println("your room is booked");
rooms[c-1][r-1]='B';
}
System.out.println("Available rooms are:");
for(int i=0;i<3;i++)
{
for(int j=0;j<4;j++)
{
System.out.print(rooms[i][j]+" ");
}
System.out.print("\n");
}
}}
```

OUTPUT:

```
Available rooms are:
A A A A
A A A A
A A A A
enter the row and coloumn which you want to book
2
3
your room is booked
Available rooms are:
A A A A
A A B A
A A A A
```