

Q)

Pseudo Code:

- 1) First initialize t
- 2) And applying a loop on t,
- 3) Initialize string
- 4) Perform a loop and applying a check inside a loop ie , if
- 5) if(c[j] == 66 || c[j] ==98)
- 6) Print = BattleShip
- 7) else if(c[j] == 67 || c[j] ==99)
- 8) Printf = Cruiser
- 9) else if(c[j] == 68|| c[j] ==100)
- 10)printf= Destroyer
- 11)else if(c[j] == 70 || c[j] ==102)
- 12)Print = Frigate
- 13)

Implementation:

```
#include<iostream>
```

```
#include<time.h>
```

```
Using namespace std;
```

```
int main(){
```

```
    Int t;
```

```
    cin>>t
```

```
    while(t--){
```

```
        int n;
```

```
        cin>>n;
```

```
        char c[n];
```

```
        for(int i = 0;i<n;i++)
```

```
        {
```

```
            cin>>c[i];
```

```
        }
```

```
        for(int j =0 ;j<n;j++)
```

```
        {
```

```
            if(c[j] == 66 || c[j] ==98)
```

```
                cout<<"BattleShip";
```

```
            else if(c[j] == 67 || c[j] ==99)
```

```
                cout<<"Cruiser";
```

```
else if(c[j] == 68|| c[j] ==100)
cout<<"Destroyer";
```

```
else if(c[j] == 70 || c[j] ==102)
cout<<"Frigate";
}
}
return 0;
}
```