

**Week 5-01**

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int t,d,i=0,i1,i2,o;
5     char c;
6     scanf("%d",&t);
7     while (i<t)
8     {
9         scanf("%d",&d);
10        i1=0;
11        while(i1<d)
12        {
13            o=1;
14            i2=0;
15            if(i1%2==0)
16            {
17                o=0;
18            }
19            while(i2<d)
20            {
21                c='B';
22                if(i2%2==o)
23                {
24                    c='W';
25                }
26                printf("%c",c);
27                i2++;
28            }
29            i1+=1;
30            printf("\n");
31        }
32        i=i+1;
33    }
34    return 0;
35 }
```

|   | Input | Expected | Got   |   |
|---|-------|----------|-------|---|
| ✓ | 2     | WBW      | WBW   | ✓ |
|   | 3     | BWB      | BWB   |   |
|   | 5     | WBW      | WBW   |   |
|   |       | WBWBW    | WBWBW |   |
|   |       | BWBWB    | BWBWB |   |
|   |       | WBWBW    | WBWBW |   |
|   |       | BWBWB    | BWBWB |   |
|   |       | WBWBW    | WBWBW |   |

Passed all tests! ✓

2 W

3 B

Output:

WB

BW

BWB

WBW

BWB

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     int T,d,i,i1,i2,o,z;
5     char c,s;
6     scanf ("%d",&T);
7     for(i=0;i<T;i++)
8     {
9         scanf("%d %c",&d,&s);
10        for (i1=0;i1<d;i1++)
11        {
12            z=(s=='W')?0:1;
13            o=(i1%2==z)?0:1;
14            for(i2=0;i2<d;i2++)
15            {
16                c=(i2%2==o)?'W':'B';
17                printf("%c",c);
18            }
19            printf("\n");
20        }
21    }
22 }
```

|   | Input | Expected | Got |   |
|---|-------|----------|-----|---|
| ✓ | 2     | WB       | WB  | ✓ |
|   | 2 W   | BW       | BW  |   |
|   | 3 B   | BWB      | BWB |   |
|   |       | WBW      | WBW |   |
|   |       | BWB      | BWB |   |

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     int n,v,p3,c,in,i,i1,i2,t,ti;
5     scanf("%d",&t);
6     for(ti=0;ti<t;ti++)
7     {
8         v=0;
9         scanf("%d",&n);
10        printf("Case %d\n",ti+1);
11        for (i=0;i<n;i++)
12        {
13            c=0;
14            if(i>0)
15            {
16                for (i1=0;i1<i;i1++) printf ("**");
17            }
18            for(i1=i;i1<n;i1++)
19            {
20                if(i>0)c++;
21                printf("%d0",++v);
22            }
23            if(i==0)
24            {
25                p3=v+(v*(v-1))+1;
26                in=p3;
27            }
28            in=in-c;
29            p3=in;
30            for(i2=i;i2<n;i2++)
31            {
32                printf("%d",p3++);
33                if(i2!=n-1) printf("0");
34            }
35            printf("\n");
36        }
37    }
38 }
39 }
```

|   | Input | Expected                 | Got                      |   |
|---|-------|--------------------------|--------------------------|---|
| ✓ | 3     | Case #1                  | Case #1                  | ✓ |
|   | 3     | 10203010011012           | 10203010011012           |   |
|   | 4     | **4050809                | **4050809                |   |
|   | 5     | ***607                   | ***607                   |   |
|   |       | Case #2                  | Case #2                  |   |
|   |       | 1020304017018019020      | 1020304017018019020      |   |
|   |       | **50607014015016         | **50607014015016         |   |
|   |       | ****809012013            | ****809012013            |   |
|   |       | *****10011               | *****10011               |   |
|   |       | Case #3                  | Case #3                  |   |
|   |       | 102030405026027028029030 | 102030405026027028029030 |   |
|   |       | **6070809022023024025    | **6070809022023024025    |   |
|   |       | ***10011012019020021     | ***10011012019020021     |   |
|   |       | *****13014017018         | *****13014017018         |   |
|   |       | *****15016               | *****15016               |   |

Passed all tests! ✓