

```

1  #include<stdio.h>
2  int main()
3  {
4      int T;
5      scanf("%d",&T);
6      for(int t=0;t<T;t++)
7      {
8          int size;
9          scanf("%d",&size);
10         for(int i=0;i<size;i++)
11         {
12             for(int j=0;j<size;j++)
13             {
14                 if((i+j)%2==0)
15                 {
16                     printf("W")
17                 }
18                 else
19                 {
20                     printf("B")
21                 }
22             }
23             printf("\n");
24         }
25     }
26     return 0;
27 }

```

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

```

1 #include<stdio.h>
2 int main()
3 {
4     int T;
5     scanf("%d",&T);
6     for(int t=0;t<T;t++)
7     {
8         int N;
9         char start;
10        scanf("%d %c",&N,&start);
11        char alt=(start == 'W')
12        for(int i=0;i<N;i++)
13        {
14            for(int j=0;j<N;j++)
15            {
16                if((i+j)%2==0)
17                {
18                    printf("%c"
19                }
20                else
21                {
22                    printf("%c"
23                }
24            }
25            printf("\n");
26        }
27    }
28    return 0;
29 }

```

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

Passed all tests! ✓

```

1  #include<stdio.h>
2  int main()
3  {
4      int n,v,p3,c,in,i,i1,i2,t,t;
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++)
17                     c++;
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(" ");
34                 }
35                 printf("\n");
36             }
37         }
38         return 0;
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! ✓

```

1  #include<stdio.h>
2  #include<math.h>
3  int main()
4  {
5      int n,d,nt,AN;
6      scanf("%d",&n);
7      nt=n;
8      for(d=0;nt!=0;d++){
9          nt=nt/10;
10     }
11     nt=n;
12     for( int i=0;i<d;i++){
13         AN=AN+pow(nt%10,d);
14         nt=nt/10;
15     }
16     if(AN==n)
17     {
18         printf("true");
19     }
20     else
21     {
22         printf("false");
23     }
24     return 0;
25 }

```

	Input	Expected	Got	
✓	153	true	true	✓
✓	123	false	false	✓

Passed all tests! ✓

```

1  #include<stdio.h>
2  int main()
3  {
4      int num,rev;
5      int par=0;
6      scanf("%d",&num);
7      while(1)
8      {
9          par=num;
10         rev=0;
11         while(num>0)
12         {
13             rev=rev*10+num%10;
14             num/=10;
15         }
16         num=par+rev;
17         int temp=num,l=0;
18         while(temp>0)
19         {
20             int digit=temp%10;
21             l=l*10+digit;
22             temp/=10;
23         }
24         if(num==l)
25         {
26             break;
27         }
28     }
29     printf("%d",num);
30     return 0;
31 }

```

	Input	Expected	Got	
✓	32	55	55	✓
✓	789	66066	66066	✓

Passed all tests! ✓


```

1  #include<stdio.h>
2  int islucky(int num)
3  {
4      while(num>0)
5      {
6          int num1;
7          num1=num%10;
8          if(num1!=3&&num1!=4)
9              return 0;
10         num/=10;
11     }
12     return 1;
13 }
14 int main()
15 {
16     int n,c=0,num=1;
17     scanf("%d",&n);
18     while(c<n)
19     {
20         if(islucky(num))
21         {
22             c++;
23             if(c==n)
24             {
25                 printf("%d",num);
26                 break;
27             }
28         }
29         num++;
30     }
31     return 0;
32 }

```

	Input	Expected	Got	
✓	34	33344	33344	✓

Passed all tests! ✓