

```
1  #include <stdio.h>
2  int main() {
3      int n, size;
4      scanf("%d", &n);
5      for (int k=0; k<n; k++) {
6          scanf("%d", &size);
7          for (int i=0; i<size; i++) {
8              for (int j=0; j<size; j++) {
9                  if ((i+j)%2==0) {
10                     printf("W");
11                 } else {
12                     printf("B");
13                 }
14             }
15             printf("\n");
```

16			}
17		}	
18		}	

```
1 #include <stdio.h>
2 int main() {
3     int n;
4     scanf("%d", &n);
5     for (int k=0; k<n; k++) {
6         int size;
7         char start;
8         scanf("%d %c", &size, &start);
9         for (int i=0; i<size; i++) {
10             for (int j=0; j<size; j++) {
11                 if ((i+j)%2==0) {
12                     printf("%c", start);
13                 } else {
14                     printf("%c", (start=='W'?'B':'W'));
15                 }
16             }
```

```
17         printf( "n" );
18     }
19 }
20 return 0;
21 }
```

```
1 #include <stdio.h>
2 int main() {
3
4     int i,j,k;
5     for (i=1;i<=3;i++) {
6         for (j=1;j<=3;j++) {
7             for (k=1;k<=3;k++) {
8                 if (i!=j && j!=k && i!=k) {
9                     printf("%d %d %d\n", i, j, k);
10                }
11            }
12        }
13    }
14
15    return 0;
16 }
```

```

1  #include <stdio.h>
2  #include <math.h>
3
4  int main() {
5
6      int num, orgnum, rem, n=0;
7      double result = 0.0;
8      scanf("%d", &num);
9
10     orgnum = num;
11
12     while (orgnum!=0) {
13         orgnum/=10;
14         ++n;
15     }
16
17     orgnum = num;
18
19     while (orgnum!=0) {
20         rem = orgnum%10;
21         result += pow(rem, n);
22         orgnum /= 10;
23     }
24
25     if ((int)result == num) {
26         printf("true");
27     } else {
28         printf("false");
29     }
30
31     return 0;
32 }

```

```
1 #include <stdio.h>
2
3 long long reverse(long long n) {
4     long long rev = 0;
5     while (n!=0) {
6         rev = rev * 10 + (n%10);
7         n /= 10;
8     }
9     return rev;
10 }
11
12 int isPalindrome(long long n) {
13     return n == reverse(n);
14 }
15
16 int main() {
17     long long num;
18     scanf("%lld", &num);
19     while (!isPalindrome(num)) {
20         num = num + reverse(num);
21     }
22     printf("%lld", num);
23     return 0;
24 }
```

```
1 #include <stdio.h>
2 int main() {
3     int n, i, j;
4     scanf("%d", &n);
5
6     for (i=1;i<=n; i++) {
7         for (j=1;j<=i;j++) {
8             printf("*");
9             if (j != i) printf(" ");
10        }
11        printf("\n");
12    }
13
14    for (i=n-1;i>=1;i--) {
15        for (j=1;j<=i;j++) {
16            printf("*");
17            if (j != i) printf(" ");
18        }
19        printf("\n");
20    }
21    return 0;
22 }
```