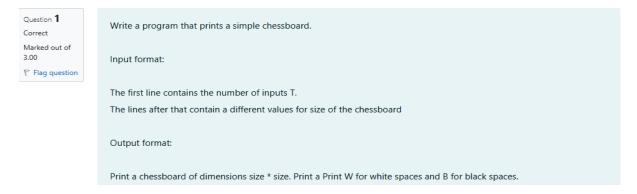
Week-05-Nested Loops-while and for, Jumps in Loops

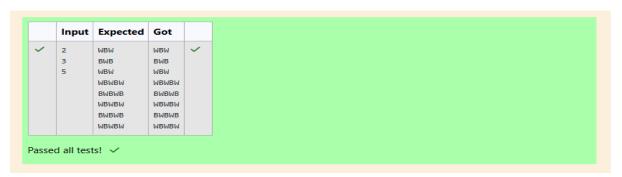
Week-05-01-Practice Session-Coding



Source Code

```
Answer: (penalty regime: 0 %)
    1 #include<stdio.h>
       int main()
           scanf("%d",&n);
            for(int i=0;i<n;i++)</pre>
               char c1='B',c2='W';
               scanf("%d",&a);
for(int j=0;j<a;j++)
   10
   11
   12
                    if(j%2!=0)
   13
                    C1='W',C2='B';
   15
   16
                else
   18
                    c1='B',c2='W';
   19
   20
   21
                for(int k=0;k<a;k++)
   22
                    if(k%2!=0)
   24
                        printf("%c",c1);
   25
                    else
   27
   28
   29
                    printf("%c",c2);
   30
   31
   32
                printf("\n");
   33
   34
                                                                                                              Activate Windows
```

Result



```
Question 2
                     Let's print a chessboard!
Correct
Marked out of
5.00
                     Write a program that takes input:

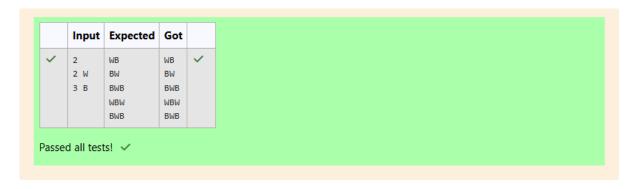
₱ Flag question

                     The first line contains T, the number of test cases
                     Each test case contains an integer N and also the starting character of the chessboard
                     Output Format
                     Print the chessboard as per the given examples
```

Source Code

```
#include<stdio.h>
int main()
         int n:
          scanf("%d",&n);
          for(int i=0;i<n;i++)
              int a;
char b,c1='W',c2='B',temp;
scanf("%d %c",&a,&b);
10
11
              for(int j=0;j<a;j++)
12
13
                  if(j%2==0)
14
                       if(b!=c1)
15
17
                           c2=c1:
18
                          c1=b;
19
20
21
                  else
22
                     temp=c1;
23
25
26
                      c2=temp;
27
                  for(int k=0;k<a;k++)</pre>
28
29
                  if(k%2==0)
30
                       printf("%c",c1);
31
33
34
                  else
35
                      printf("%c",c2);
36
37
                  }
38
              printf("\n");
                                                                                                                 Activate Windows
39
                                                                                                                 Go to Settings to activate Window
40
41
42 }
          return 0;
```

Result



```
Question 3
                     Decode the logic and print the Pattern that corresponds to given input.
Correct
Marked out of
7.00
                     If N = 3
\slash Flag question
                     then pattern will be:
                     10203010011012
                      **4050809
                      ****607
```

Source Code

```
Answer: (penalty regime: 0 %)
     1 |#include<stdio.h>
            int main()
                 int n;
scanf("%d",&n);
for(int i=1;i<=n;i++)</pre>
                       int a;
scanf("%d",&a);
int l=1,s=a,t=(a*(a+1))-a+1;
printf("case #%d\n",i);
for(int j=0;j<a;j++);</pre>
    8
9
10
11
   14
15
16
17
                              int k=2*j,t1=t;
while(k>0)
                                    printf("%c",'*');
k-=1;
   18
19
20
21
                               for(int p=0;p<s;p++)
                                    printf("%d",1);
l+=1;
printf("%d",0);
   24
25
   26
27
                               for(int q=0;q<s;q++)
                                    printf("%d",t1);
   28
                                    print+(~%u ,.
t1+=1;
if(q==(s-1))
{
    break;
   29
30
31
   32
33
34
35
36
37
                                    printf("%d",0);
   38
39
40
41
42 }
                              printf("\n");
                                                                                                                                                                                     Activate Windows
                                                                                                                                                                                     Go to Settings to activate Window
```

Result

