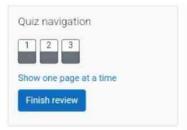
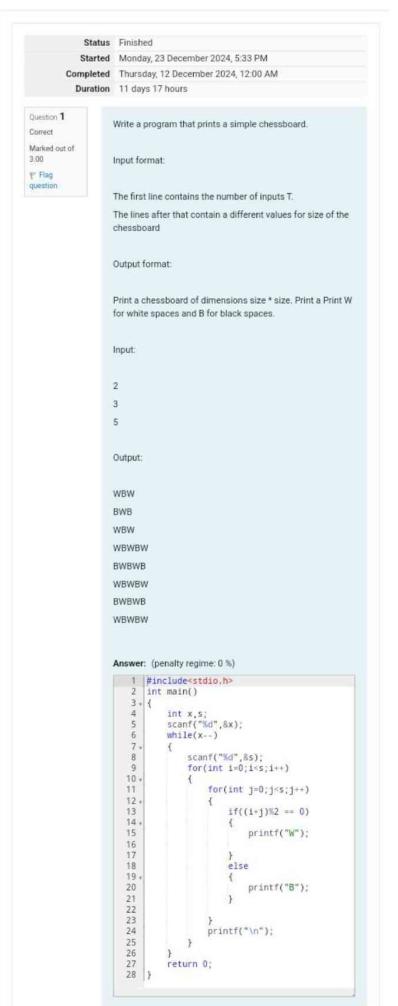
GE23131-Programming Using C-2024





REC-CIS



Question 2 Let's print a chessboard! Correct Marked out of 5.00 Write a program that takes input: F 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 Sample Input / Output Input: 2 2 W 3 B Output: WB BW BWB WBW BWB Answer: (penalty regime: 0 %) #include<stdio.h> int main() 3 + { 4 int a,b; char ch; scant("%d",&a); 5 6 7 while(a--) 8 + scanf("%d %c",&b,&ch); for(int i=0;i<b;i++) 10 11 -12 for(int j=0;j<b;j++) 13 ₁ if(ch == 'W') 15 -16 if((i+j)%2 = 0)17 + 18 printf("W"); 19 20 21 + 22 23 else { printf("B"); } 24 25 26 • 27 28 • else if((i+j)%2 == 0) 29 30 printf("B"); 31 32 + 33 printf("W"); 34 35 } 36 37 printf("\n"); 38 39 40 return 0;

41 42



Question 3 Decode the logic and print the Pattern that corresponds to Correct given input. Marked out of 7.00 If N= 3 P Flag question then pattern will be: 10203010011012 **4050809 ****607 If N= 4, then pattern will be: 1020304017018019020 **50607014015016 ****809012013 *****10011 Constraints 2 <= N <= 100 Input Format First line contains T, the number of test cases Each test case contains a single integer N Output First line print Case #i where i is the test case number In the subsequent line, print the pattern Test Case 1 3 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018

******15016

```
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2 int main()
   3 + {
   4
           int p,q,r,s,t-1,u,ans,v;
scanf("%d",&p);
   5
           while(t<=p)
   6
   7 +
               scanf("%d",&q);
   8
   9
               printf("Case #%d \n",t);
               s=1;
  10
               u=1;
  11
  12
               V=0;
  13
               while(s<=q)
  14 +
  15
                    r=1;
  16
                    ans=(q*q);
                    ans-ans-v;
  17
  18
                    while(r \ll 2*q)
  19 -
  20
                        if(r<=q)
  21 +
                        1
  22
                           if(r<s)
  23 +
  24
                               printf("**");
  25
  26
                           else if(r = q)
  27 *
                                printf("%d",u*10);
  28
  29
                                u++;
  30
  31
  32
                        else
  33 +
                        1
                            if((r+s) = (2*q)+1)
  34
  35 +
                             1
                                 printf("%d",(ans-
  36
                                 ans++;
  37
  38
                                 v++;
  39
  40
                            else if(r-s<-(2+q)+1)
  41 +
  42
                                 printf("%d",(ans-
  43
                                 ans++;
  44
                                 V++;
  45
  46
  47
  48
                        F=+;
  49
  50
                    printf("\n");
  51
  52
```

	Input	Expected	Got
~	3	Case #1	Case #1
	3	10203010011012	102030100110
	4	**4050809	**4050809
	5	****607	****607
		Case #2	Case #2
		1020304017018019020	102030401701
		**50607014015016	**5060701401
		****809012013	****80901201
		*****10011	******10011
		Case #3	Case #3
		102030405026027028029030	102030405026
		**6070809022023024025	**607080902
		****10011012019020021	****10011012
		*****13014017018	******130140
		*******15016	********150

Finish review