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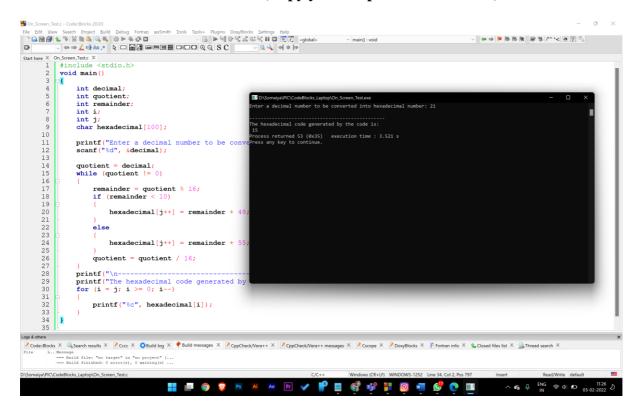
(To be filled by Candidate)

Course:	Programming In C (PIC)		
Candidates' NAME:	Hardik Shah		
Candidates' ROLL NO	16010221025		
(In Figure):			
Year/ Sem:	FY B-Tech / I	Branch / Batch:	ETRX / D2

```
PROGRAM 1 CODE: (Copy your program below)
#include <stdio.h>
void main()
  int decimal;
  int quotient;
  int remainder;
  int i;
  int j;
  char hexadecimal[100];
  printf("Enter a decimal number to be converted into hexadecimal number: ");
  scanf("%d", &decimal);
  quotient = decimal;
  while (quotient != 0)
    remainder = quotient % 16;
    if (remainder < 10)
      hexadecimal[j++] = remainder + 48;
    else
      hexadecimal[j++] = remainder + 55;
    quotient = quotient / 16;
  printf("\n----\n");
  printf("The hexadecimal code generated by the code is: \n");
  for (i = j; i >= 0; i--)
    printf("%c", hexadecimal[i]);
}
```

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PROGRAM 1 OUTPUT/ ERROR: (Copy your output or error below)



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PROGRAM 2 CODE: (Copy your program below)

```
#include <stdio.h>
void main()
  int arr[1000];
  int input;
  int i = 0;
  //input a sequence from the user:
  printf("Enter a sequence of numbers. To stop typing, enter -1: \n");
  while(input != -1)
     scanf("%d", &input);
     arr[i] = input;
     i++;
  int j, k;
  //input value for k:
  printf("Enter the value of k to print the kth occurrence of the even number: ");
  scanf("%d", &k);
  for(j = 0; j < 1000; j ++)
     if(arr[j] \% 2 == 0)
       k--;
     if(k == 0)
       printf("%d", arr[j]);
       break;
  }
}
```

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PROGRAM 2 OUTPUT/ ERROR: (Copy your output or error below)

```
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            void main()
                                                       int arr[1000];
int input;
int i= 0;
//input a seque
                                                      //input a sequence from the user:
printf("Enter a sequence of numbers. To stop
while(input != -1)
                                                                    scanf("%d", &input);
arr[i] = input;
i++;
                                                       int j, k;
                                                       //input value for k:
printf("Enter the value of k to print the kt
scanf("%d", &k);
                                                        for(j = 0; j < 1000; j ++)
                                                                        if(arr[j] % 2 == 0)
                                                                                   k--;
                                                                         if(k == 0)
                                                                                     printf("%d", arr[j]);
break;
  D:\Somaiya\PIC\CodeBlocks_Laptop\On_Screen_Test.c
                                                                                                                                                                                                                                      C/C++ Windows (CR+LF) WINDOWS-1252 Line 11, Col 18, Pos 248 Insert Read/Write default
```