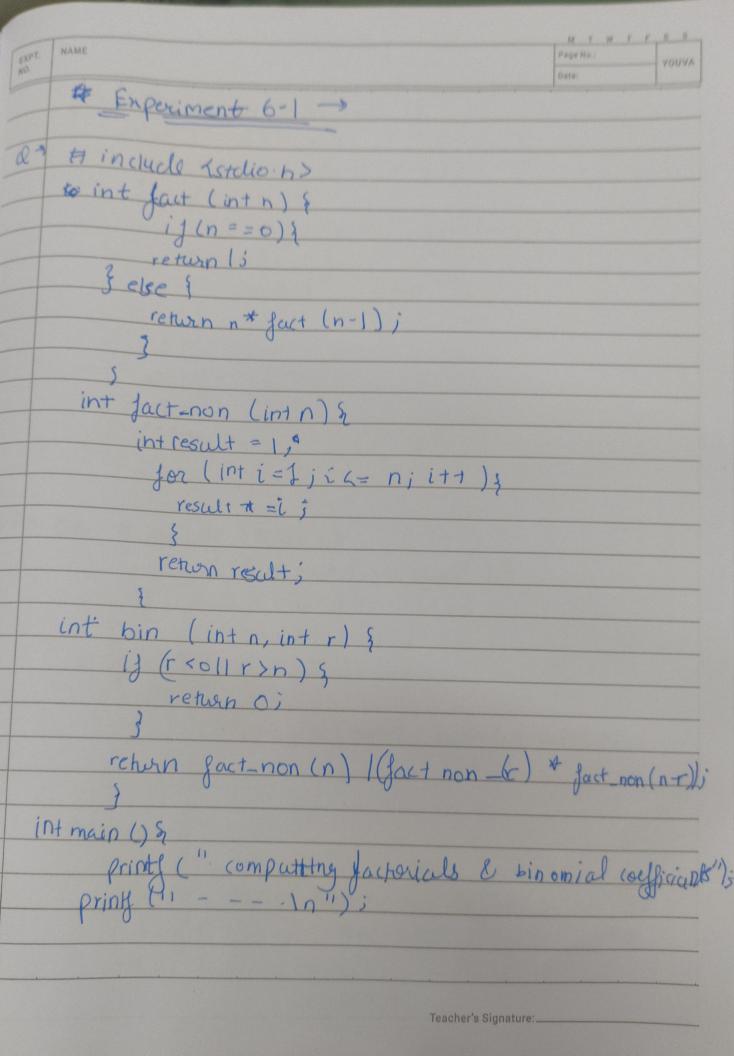
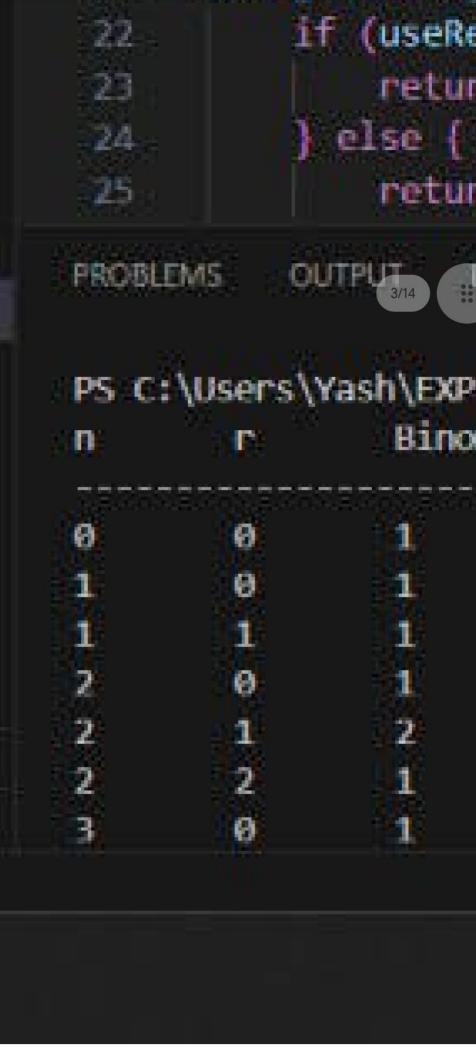
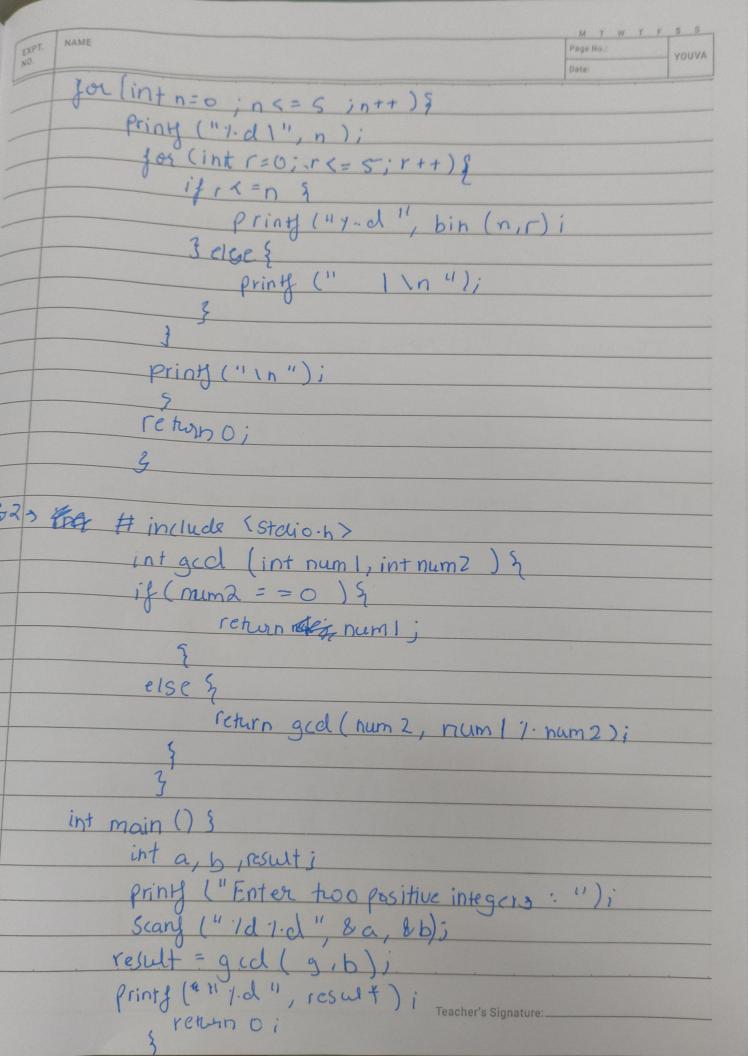
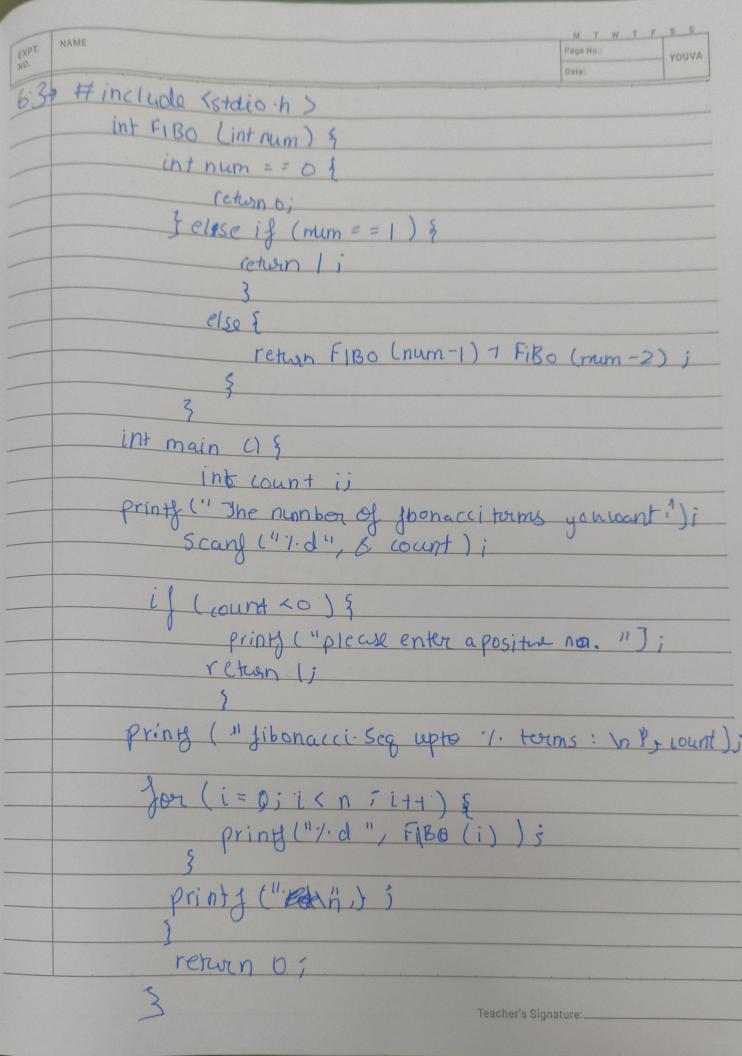
Arnow Aggarwal STO Brech Ce 1st year DIV: B78 ROLL NO .: computer Science - Programming SUBJECT: INDEX EXPERIMENT DATE OF DATE OF SR-NO-PAGE SUBMISSION REMARKS EXPERIMENT 9 1-1 1-2 1-3 2 1-4 3 2-1 4 2-2 000 rray 14 17 Function 20 21



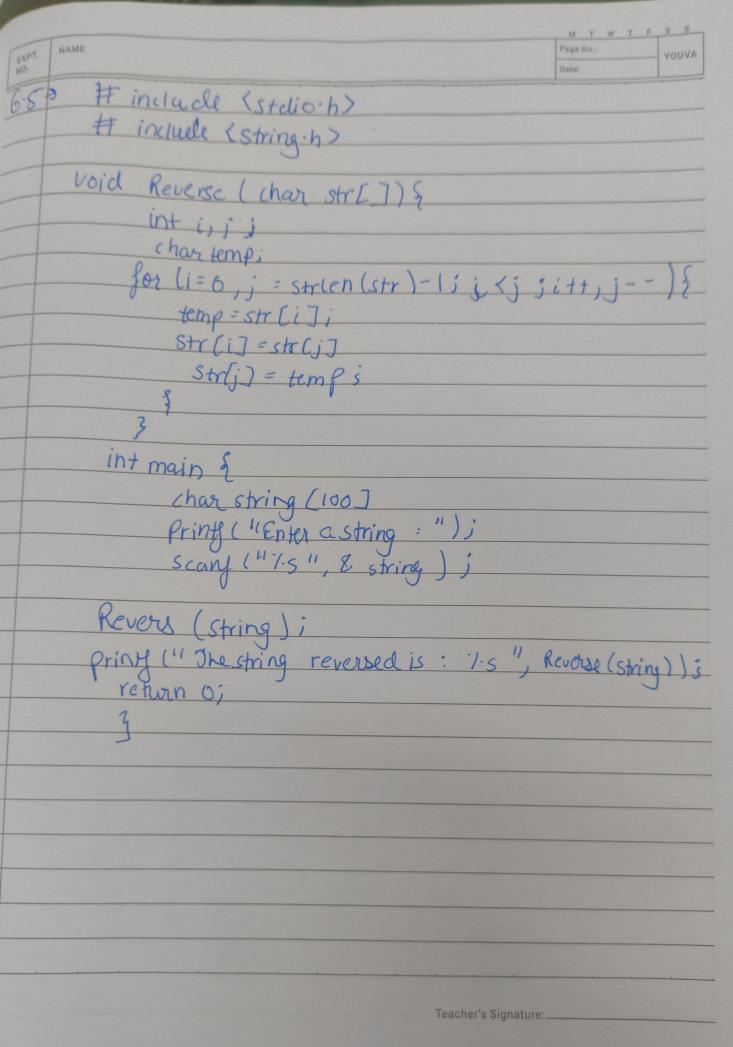




```
Terminal Help
un
           C exp3-2-1.c C exp3-2-2.c
                                              C exp3-2-3-a.c
p6-3.c > ...
  #include <stdio.h>
  int FIBO(int num) {
       if (num == 0)
           return 0;
       else if (num == 1)
       else
           return FIBO(num - 1) + FIBO(num - 2);
  }
  int main() {
       int num;
       printf("Enter the number of terms in Fibonacci sequence: '
       scanf("%d", &num);
       printf("Fibonacci sequence up to %d terms:\n
                                                         8/14
       for (int i = 0; i < num; i++) {
    printf("%d ", FIBO(i));</pre>
      printf("\n");
      return 0;
  1
      OUTPUT DEBUG CONSOLE
                               TERMINAL
:\Users\Yash\EXP> gcc exp6-3.c
:\Users\Yash\EXP> ./a.exe
r the number of terms in Fibonacci sequence: 5
nacci sequence up to 5 terms:
123
:\Users\Yash\EXP>
```



```
Go Run Terminal Help
View
      C exp3-1-5.c C exp3-2-1.c
                                     C exp3-2-2.c
       C exp6-2.c > ...
             #include <stdio.h>
              // Recursive function to find GCD using
              int GCD(int num1, int num2) {
                  if (num2 = 0)
                      return num1;
                  else
                      return GCD(num2, num1 % num2);
              1
        11-
              int main() {
        12
                  int a, b;
                                             5/14
                  printf("Enter two integer
                  scanf("%d %d", &a, &b);
                  int gcd = GCD(a, b);
        17
                  printf("The Greatest Common Divisor
                  return 0;
        20
              }
        21
       PROBLEMS OUTPUT
                         DEBUG CONSOLE
                                          TERMINAL
                                                    POR
       10
               10
                       1
       PS C:\Users\Yash\EXP> gcc exp6-2.c
       PS C:\Users\Yash\EXP> ./a.exe
       Enter two integers: 12 13
       The Greatest Common Divisor of 12 and 13 is: 1
       PS C:\Users\Yash\EXP>
```



```
C exp3-1-5.c
                                C exp3-2-2.c
                € exp3-2-1.c
C exp6 5.c > ...
      void REVERSE(char str[]) {
           while (start < end) {
               str[start] = str[end];
 13
               str[end] = temp;
 115
               starti;
 16
               end-;
 17
 13
       1
 19
       int main() {
 21
           char str 100;
           printf("Enter a string: ");
 23
           fgets(str, sizeof(str), stdin);
 2/
 25
           // Remove newline character if pre
           size t len = strlen(str);
 27
           if (len > 0 && str[len - 1] == '\n
 28
               str len - 1 = '\0';
 36
 33.
 32
           REVERSE(str);
           printf("Reversed string: %s\n", st
           return 0;
       H
 36
 37
PROBLEMS OUTPUT DEBUG CONSOLE
                                   TERMINAL
                                             PO
2 3 5
PS C:\Users\Yash\EXP> gcc exp6-5.c
PS C:\Users\Yash\EXP> ./a.exe
Enter a string: 1 2 3 4 5
Reversed string: 5 4 3 2 1
                                              •••
                                      14/14
PS C:\Users\Yash\EXP>
```