LAB 4 REPORT

Q1

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CLanguage > ENGR214 > L4 > C L4_Q1.c > 😭 main()
                                                                                                           L4 Q1.c
                                             Description: C program that outputs a right triangle of asterisks given the height as input.
                          #include <stdio.h>
                           int main(){
                                          int height;
                                          // Initialize variables
                                          printf("Enter the height of the triangle: ");
                                          scanf("%d", &height);
                                          //Work
                                           for (int i = 1; i <= height; i++) {
                                                           for(int j = height; j >= i; j--) {
                                                                          printf("* ");
                                                          printf("\n");
                                          return 0;
                                                                            DEBUG CONSOLE
                                                                                                                                      TERMINAL
 PS C:\Users\ryanc\Documents\Code\LangLearnt\MyLanguagesLearnt\CLanguage\ENGR214\L4> cd "c:\Users\ryanc\Documents\Code\LangLearnt\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L4> cd "c:\Users\ryanc\Documents\Clanguage\EnGR214\L
 \L4\" ; if ($?) { gcc L4_Q1.c -0 L4_Q1 } ; if ($?) { .\L4_Q1 }
 Enter the height of the triangle: 3
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CLanguage > ENGR214 > L4 > € L4_Q2.c > ...
                          L4_Q2.c
      #include <stdio.h>
      int main(){
          int n, repeatNum = 9, num = repeatNum;
          long sum = 0;
          printf("Enter the number of terms: ");
          scanf("%d", &n);
          //Work
              printf("%ld ", num);
                  printf("+ ");
              sum += num;
              num = (num * 10) + repeatNum;
          printf("\nThe sum of the series = %ld\n", sum);
          return 0;
          OUTPUT DEBUG CONSOLE
                                 TERMINAL
PS C:\Users\ryanc\Documents\Code\LangLearnt\MyLanguagesLearnt\CLanguage\ENGR214\L4> cd "c:\Users\ryanc\Documents\Code\LangLe
\L4\"; if ($?) { gcc L4_Q2.c -0 L4_Q2 }; if ($?) { .\L4_Q2 }
Enter the number of terms: 5
9 + 99 + 999 + 99999
The sum of the series = 111105
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CLanguage > ENGR214 > L4 > C L4 Q3.c > 分 main()
                based on the day entered by the user.
                #include <stdio.h>
                enum Days {Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday};
                int main(){
                          enum Days day;
                          // Initialize variables
                          printf("Enter the day number (0 for Monday, 1 for Tuesday, ..., 6 for Sunday): ");
                          scanf("%d", &day);
                          //Work
                                    // switch statement to print a message based on the day
                          switch (day) {
                                    case Monday :
                                              printf("It's a weekday, time to work.");
                                              break;
                                    case Tuesday:
                                             printf("It's a weekday, time to work.");
                                              break;
                                    case Wednesday:
                                              printf("It's a weekday, time to work.");
                                              break;
                                    case Thursday :
                                             printf("It's a weekday, time to work.");
                                              break;
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                                    case Friday :
                                              printf("Its almost weekend, Lets wrap up things fast.");
                                              break;
                                    case Saturday :
                                              printf("It's Weekend, time to relax.");
                                    case Sunday:
                                              printf("It's Weekend, time to relax.");
                                              break;
                                    default :
                                              printf("Invalid day entered");
                                             break;
                          return 0;
                                                                                 TERMINAL
  }; if ($?) { .\L4_Q3 }
 Enter the day number (0 for Monday, 1 for Tuesday, ..., 6 for Sunday): 3
 It's a weekday, time to work.
 PS C:\Users\ryanc\Documents\Code\LangLearnt\MyLanguagesLearnt\Clanguage\ENGR214\L4> cd "c:\Users\ryanc\Documents\Code\LangLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguagesLearnt\MyLanguag
  }; if ($?) { .\L4_Q3 }
 Enter the day number (0 for Monday, 1 for Tuesday, ..., 6 for Sunday): 4
 Its almost weekend, Lets wrap up things fast.
PS C:\Users\rvanc\Documents\Code\LangLearnt\MvLanguagesLearnt\CLanguage\ENGR214\L4>
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