|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| func | | | main | |
| str | Str[i] | i | str | print |
| C Exam Year 2013 !!! |  |  | C Exam Year 2013 !!! |  |
|  | C | 0 |  | C Exam Year 2013 !!! |
| c Exam Year 2013 !!! | c |  |  |  |
|  | ‘ ‘ | 1 |  |  |
| c\_Exam Year 2013 !!! | \_ |  |  |  |
|  | E | 2 |  |  |
| c\_exam Year 2013 !!! | e |  |  |  |
|  | x | 3 |  |  |
| c\_eXam Year 2013 !!! | X |  |  |  |
|  | a | 4 |  |  |
| c\_eXAm Year 2013 !!! | A |  |  |  |
|  | m | 5 |  |  |
| c\_eXAM Year 2013 !!! | M |  |  |  |
|  | ‘ ‘ | 6 |  |  |
| c\_eXAM\_Year 2013 !!! | \_ |  |  |  |
|  | Y | 7 |  |  |
| c\_eXAM\_year 2013 !!! | y |  |  |  |
|  | e | 8 |  |  |
| c\_eXAM\_yEar 2013 !!! | E |  |  |  |
|  | a | 9 |  |  |
| c\_eXAM\_yEAr 2013 !!! | A |  |  |  |
|  | r | 10 |  |  |
| c\_eXAM\_yEAR 2013 !!! | R |  |  |  |
|  | ‘ ‘ | 11 |  |  |
| c\_eXAM\_yEAR\_2013 !!! | \_ |  |  |  |
|  | 2 | 12 |  |  |
| c\_eXAM\_yEAR\_ | \0 |  |  |  |
| c\_eXAM\_yEAR\_013 !!! |  |  |  |  |
|  |  | 11 |  |  |
|  | 0 | 12 |  |  |
| c\_eXAM\_yEAR\_ | \0 |  |  |  |
| c\_eXAM\_yEAR\_13 !!! |  |  |  |  |
|  |  | 11 |  |  |
|  | 1 | 12 |  |  |
| c\_eXAM\_yEAR\_ | \0 |  |  |  |
| c\_eXAM\_yEAR\_3 !!! |  |  |  |  |
|  |  | 11 |  |  |
|  | 3 | 12 |  |  |
| c\_eXAM\_yEAR\_ | \0 |  |  |  |
| c\_eXAM\_yEAR\_ !!! |  |  |  |  |
|  |  | 11 |  |  |
|  | ‘ ‘ | 12 |  |  |
| c\_eXAM\_yEAR\_\_!!! | \_ |  |  |  |
|  | ! | 13 |  |  |
| c\_eXAM\_yEAR\_\_%!! | % |  |  |  |
|  | ! | 14 |  |  |
| c\_eXAM\_yEAR\_\_%%! | % |  |  |  |
|  | ! | 15 |  |  |
| c\_eXAM\_yEAR\_\_%%% | % |  |  |  |
|  |  |  |  | c\_eXAM\_yEAR\_\_%%% |

Finish print

C Exam Year 2013 !!!

c\_eXAM\_yEAR\_\_%%%

הפונקציה הופכת אותיות גדולות לקטנות וקטנות לגדולות, משנה רווחים לקווים תחתונים, מוציאה מספרים מהמחרוזת ומשנה כל תו שהוא לא מספר רווח או אות לסימן %

void func(char \*str)

{

int i;

for (i = 0; str[i] != '\0'; i++)

{

if ((str[i] >= 'a') && (str[i] <= 'z'))

str[i] += 'A' - 'a';//change lowercase letter to upper case

else if ((str[i] >= 'A') && (str[i] <= 'Z'))

str[i] += 'a' - 'A';//change upper case letters to lower case

else if (str[i] == ' ') str[i] = '\_';//change spaces to \_

else if (str[i] >= '0'&&str[i] <= '9')

{

str[i] = '\0';//stops the string where the number was

strcat\_s(str, &str[i + 1]);//connect the string to the chars after the number which was deleted through pointer

i--;

}

else str[i] = '%';//change anything which is not letter number or space to %

}

}

int main()

{

char str[] = "C Exam Year 2013 !!!";

printf("\n%s\n", str);

func(str);

printf("%s\n", str);

return 0;

}