**COMSATS** **University Islamabad, Lahore Campus**

**Department of Computer Science**



**Quiz 2 – Semester Spring 2021**

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| Course Title: | Programming Fundamentals | | | | Course Code: | | CSC103 | Credit Hours: | 4(3,1) |
| Course Instructor/s: | Tahir Muhammad | | | | Programme Name: | | BSE/BCS | | |
| Semester: |  | Batch: |  | Session: |  | | Time | 40 Minutes | |
| Student’s Name: |  | | | | Reg. No. |  | | | |
| **Important Instructions / Guidelines:**   * Answer all questions. * Do not give multiple answers for a question. * Cutting and overwriting is not allowed. * Submit your exam through MS Forms. | | | | | | | | | |

**Question 1:** Write a program in C language that takes 10 characters from user in an array. After receiving input from user pass that array to a function “boolean checkmyString(char arr[])”. This function will match the array to a given pattern “1A&^@AXgkj” and returns true or false. If the checkmyString function returns true print “Password Match Successful” and print “Try Again”. The program will keep on asking for new inputs until the functions returns true. **[CLO1, PLO1, C1] 10 Marks**

**Solution:**

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| #include <stdio.h>  int checkmyString(char arr[]);  int main()  {  char arr[10],flag,i;  start:  for( i = 0; i < 10; i++)  {  printf("Enter array element %d: ", i+1);  scanf("%s",&arr[i]);    }  flag = checkmyString(arr);  if(flag == 1)  {  printf("\nPassword Match Success!");  }  else  {  printf("\nError!! Password didn't matched! Please try again...\n\n");  goto start;  }  }  int checkmyString(char arr[])  {  int temp = 0;  if(arr[0] == '1'&&arr[1] == 'A'&&arr[2] == '&'&&arr[3] == '^'&&arr[4] == '@'&&arr[5] == 'A'  &&arr[6] == 'X'&&arr[7] == 'g'&&arr[8] == 'k'&&arr[9] == 'j')  temp = 1;  return temp;  } |