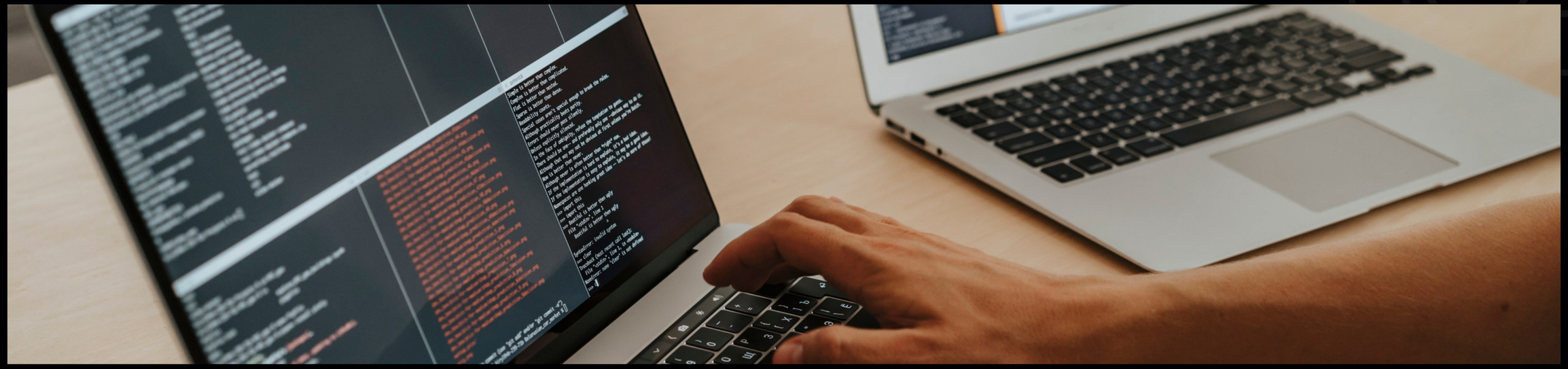
PROGRAMMING

ENCRYPTER SCRIPT



THE PURPOSE OF THIS PROGRAMM IS

This program is designed to generate a password using two words that the user enters. The data entered by the user at the end of the program is written to a txt file, which can be used for the database in the future.

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WHERE CAN THIS CODE BE USED?

Short-lasting password

Sometimes the server needs to generate a temporary password for users who log into a temporary site or as a temporary user. Usually, such passwords are issued to users so that they can change them later. Also, the given password can be used as the user's "token".

Database inputs

This code can be imported into any launcher in which registration will be performed. The data of the new user will be entered into a txt file, from which you can easily get the data and put it into MySql using PHP.

FIRST FUNCTION OF PROGRAMM (GEN_PASS)

```
void gen_pass(char nickname[ ], char teacher[ ], char pass[ ]) {
    srand(time(NULL)); //create starting point for random symbals, to avoid repetition

    int i,  j; //variables for counting in loop

    int x = strlen(nickname); //this is the 1st variable for generated pass (lenght of this)
    int y = strlen(teacher); //this is the second variable (lenght of this)

    char newpas[x + y + 1]; //combining this two variables will add them together before randomising
    strcpy(newpas, nickname); //copying the 1st into 2nd
    strcat(newpas, teacher); //string concatenation

    for (i = 0; i < x + y; i++) { //loop which uses rand to randomise cymbals in the password
        j = rand() % (x + y - i) + i; //rand generating random number
        char h = newpas[j];

        newpas[j] = newpas[i]; //i and j using to combine string
        newpas[i] = h; //replasing cymbals at the end of this loop
    }

    strncpy(pass, newpas, 26); //this will replace the variable which we were starting from to a new one
    pass[26] = '\0'; //indicating the end of this string
}
```

FSECOND FUNCTION OF PROGRAMM (SAVING_INFO)

```c
void saving_info(char nickname[ ], char pass[ ]) { //function that will save information into new txt file
    FILE *fptr = fopen("UserInfo.txt", "a"); //open the file if it exist or create a new one

    fprintf(fptr, "%s %s\n",  nickname, pass); //print nickname and pass into txt file

    fclose(fptr); //closing file
}
```

THIS CODE IS NEEDED TO VALIDATE THE DATA ENTERED BY THE USER

```
do { //loop for input users nickname

    // int limit = 0;

     if (limit == 5) { //break if user will type it more than 5 times in a row
        printf("Bro, I just said you, 2-6 cymbals!\n");
        return 1;
    }
    printf("Enter your nickname (2-6 characters): ");
    scanf("%s", nickname);
    limit++; // increment at the end of this loop

    // int limit = 0;
    // limit++;
    // if (limit = 5) {
    //     return 0;
    // }

} while (strlen(nickname) < 2 || strlen(nickname) > 6);
```

THIS PART IS THE MAIN BLOCK OF THIS PROGRAM WITH EVERY ACTIONS AND CHECKER AT THE END

```
70      printf("Enter your favorite teacher's name: "); //input with teacher's name
71      scanf("%s", teacher);
72
73      gen_pass(nickname, teacher, pass); //generate password with function gen_pass
74
75      printf("Your generated pass is: %s\n",  pass); //show the user password
76
77      printf("Do you like this pass? (y/n): "); //asking user about new pass
78      scanf(" %c", &ans);
79
80      while (ans != 'y') { //loop for generating new pass if ans was anything exept y
81          gen_pass(nickname, teacher, pass);
82          printf("Your new generated pass is: %s\n", pass);
83          printf("Do you like this pass? (y/n): ");
84          scanf(" %c", &ans);
85      }
86
87      saving_info(nickname, pass); //after user choose right pass, it's savint into txt file
88
89      return 0;
90  }
```

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        newpas[j] = newpas[i]; //i and j using to combine string
        newpas[i] = h; //replasing cymbals at the end of this loop
    }

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THANK YOU

MADE BY DANIIL KHERSONETS