

## 第 6 回課題

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1. 一桁の奇数をランダムに出力するプログラムを作成せよ.

9

2. ある int 型一次元配列に格納されている値の平均を求める関数を作成し, main 関数内で挙動を確認せよ.

Please input 10 numbers.

1 2 3 4 5 6 7 8 9 10

a[10] = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

The average of these 10 numbers is 5.

3. 2つの文字列を入力したときに, 2つの文字列が等しいか異なるかを示すプログラムを作成せよ.

Input string: apple

Input string: apple

The two sentences are the same.

4. aCb を計算する関数を作成し, main 関数の中で挙動を確認せよ.

Input numbers.

a:9

b:3

${}^9C_3 = 84$

5. テキストファイルを読み込み, 指定したアルファベットの小文字を大文字に置き換えて新しいファイルに出力するプログラムを作成せよ.

コマンド: ./15.exe emperors\_new\_clothes.txt kadai6-AJG23085-5.txt a

THE EMPEROR'S NEW CLOTHES

MANy yeArs Ago, there wAs An Emperor, who wAs so excessively fond of new clothes, thAt he spent All his money in dress. He did not trouble himself in the leAst About his soldiers; nor did he cAre to go either to the theAtre or the chAse, except for the opportunities then Afforded him

for displaying his new clothes. He hAd A different suit for eAch hour of the dAy; And As of Any other king or emperor, one is Accustomed to sAy, "he is sitting in council," it wAs AlwAys sAid of him, "The Emperor is sitting in his wArdrobe."

Time pAssed merrily in the lArge town which wAs his cApitAl; strAngers Arrived every dAy At the court. One dAy, two rogues, cAlling themselves weAvers, mAde their AppeArAnce. They gAve out thAt they knew how to weAve stuffs of the most beAutiful colors And elAborAte pAtterns, the clothes mAnufActured from which should hAve the wonderful property of remAining invisible to everyone who wAs unfit for the office he held, or who wAs extrAordinAriy simple in chArActer.