



ACM-ICPC AFGHANISTAN
ACM-ICPC First Training BootCamp

Hosted by Kateb University

First Session

information and control statements

Questions paper

1. You will have N integers; your job is to find the max integer. N is the number of integers; your program should run until the N takes the value of 0 from user.

Input:

2 5 7 12

3 8

Output:

12

8

2. Specify the vowel, semi vowel and consonant character from 26 characters of English alphabet. Your program should run for N times until it takes 0 from user.

Input:

a

s

W

O

Output:

Vowel

Consonant

Semi vowel

Vowel

3. Show the days of the week, your program should specify the days of the week from an integer value that takes from user.

constraint: -1 to 5 which should shows the days from Friday to Thursday.

Input:

1

4

-1

Output:

Sunday

Wednesday

Friday

4. Check if an integer is odd or even, your program should take an integer from user, and specify that number is odd or even.

Input:

3

0

15

72

Output:

Odd

Even

Odd

Even

5. Gaming age, the rule for playing a game is that the gamer's age must be greater than 18 years old, if the gamer age is greater than or equal to 18, accept otherwise reject him/her.

Input:

18

25

15

Output:

Accept

Accept

Reject

6. Tax: Ali is working in a company and have salary of x thousand afs, your task is to specify his salary and calculate the tax, and calculated salary. The penalty of being absence for 1 day is 5% of his salary, so calculate his penalty and show the results.

Constraints:

If salary is less than 2000, no tax.

If salary is between 2000 and 5000, 5% tax.

If salary is between 5000 and 10000, 10% tax.

If salary is greater than 10000, 15% tax.

Months are 30 days.

Input:

1600

3

9000

5

7000

2

Output:

1368

6750

5881

7. Write a guessing number game, this game generates a number between 1 to 100, the player is guessing the random number, if the player is entering the number that is greater than random number you should message "the number is greater than y" else message "the number is less than y" and when the player found the number you should display message "the number is x and you guess this number after y steps".

8. There are two type of dragon A and B, the power of dragon A is $\frac{1}{3}$ power of dragon B, Your task is to find the winner when these two dragons are fighting.

Input:

A

500

B

300

Output:

B

