COMPUTING APTITUDE

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Branch: MCA   **Section/Group: 8 b**

Semester: 2nd   **Date of Performance:02/03/22**

SubjectName: Computing Aptitude   **Subject Code: 21CAP_554**

1. Aim/Overview of the practical:

Arpasland has surrounded by attackers. A truck enters the city. The driver claims the load is food and medicine from Iranians. Ali is one of the soldiers in Arpasland. He doubts about the truck, maybe it's from the siege. He knows that a tag is valid if the sum of every two consecutive digits of it is even and its letter is not a vowel. Determine if the tag of the truck is valid or not.

We consider the letters "A","E","I","O","U","Y" to be vowels for this problem.

2. Steps/Commands involved to perform practical:

```
#include<stdio.h>

int main()

{

    char s[9];

    int i,x;

    scanf("%s",s);

    int flag1=0,flag2=0;

    for(i=0;i<9;i++)

    {

        if((s[0]+s[1])%2==0 && (s[3]+s[4])%2==0 && (s[4]+s[5])%2==0 && (s[7]+s[8])%2==0)

    flag1=1;

    if(s[2]=='A'|| s[2]=='E'|| s[2]=='I'|| s[2]=='O'|| s[2]=='U'|| s[2]=='Y')
```

```
    flag2=1;

    }

    if(flag1==1 && flag2==0)

     printf("valid");

    else

     printf("invalid");

    return 0;

}
```


3. Result/Output/Writing Summary:

Learning outcomes (What I have learnt):

1.How to make this types of program by using vowels.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet		10
2.	Demonstration/Performance /Pre Lab Quiz		5
3.	Post Lab Quiz		5