

Solution Lab 05

Write programs using for loop:

Task 1. Write program to print capital alphabets on first line and small alphabets on second line?

```
char c;
for (c='A';c<='Z';c++)
    printf ("%c ", c);
printf("\n");
for (c='a';c<='z';c++)
    printf ("%c ", c);
printf("\n");
```

Task 2. Write program to print Capital alphabets with line feed on each vowel character, see output for further understand:

```
char c;
for (c='A';c<='Z';c++){
    printf ("%c ", c);
    if (c=='A' || c=='E' || c=='I' || c=='O' || c=='U')
        printf("\n");
}
```

A
B C D E
F G H I
J K L M N O
P Q R S T U
V W X Y Z

Task 3. Repeat task 2, with addition of count of characters on each line, see output for further understand:

```
char c;int count = 0;
for (c='A';c<='Z';c++){
    printf ("%c ", c);
    count = count + 1;
    if (c=='A' || c=='E' || c=='I' || c=='O' || c=='U'){
        printf(" (%d)\n", count);
        count = 0;
    }
}
```

A	(1)
B C D E	(4)
F G H I	(4)
J K L M N O	(6)
P Q R S T U	(6)
V W X Y Z	(5)

Task 4. Input 5 numbers from user inside loop and calculate sum of numbers. Print sum after loop, see sample run for further understanding:

```
int i=1, n, sum = 0;
for (i=1;i<=5;i++){
    printf ("Enter Number:")
    scanf("%d",n);
    sum = sum + n;
}
printf("Sum: %d", sum);
```

Enter Number: 3
Enter Number: 6
Enter Number: 4
Enter Number: 2
Enter Number: 8
Sum: 23

[END OF LAB :) :)]