Medi-Caps University

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COMPUTER PROGRAMMING

Programming Assignment

Submitted To
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- **Program to check how many digits at each index of array**

I. Input of program

#include<stdio.h>

int main()

{

    int a[10] = {0}, num, rem, i;

printf("Enter a positive number\n");

scanf("%d", &num);

```c
#include<stdio.h>

int main()
{
    int a[10] = {0}, num, rem, i;

    printf("Enter a positive number\n");
    scanf("%d", &num);

    while(num)
    {
        rem = num % 10;
        a[rem] = a[rem] + 1;
        num = num / 10;
    }

    printf("\n");

    for(i = 0; i < 10; i++)
    {
        if(a[i] != 0)
            printf("%d has appeared %d times.\n", i, a[i]);
    }

    return 0;
}
```

    while(num)

    {

        rem = num % 10;

        a[rem] = a[rem] + 1;

        num = num / 10;

    }

    printf("\n");

    for(i = 0; i < 10; i++)

```c
{
    if(a[i] != 0)

        printf("%d has appeared %d times.\n", i, a[i]);

}


    return 0;

}
```

II.   Output of Program

```
Enter a positive number
947158403

0 has appeared 1 times.
1 has appeared 1 times.
3 has appeared 1 times.
4 has appeared 2 times.
5 has appeared 1 times.
7 has appeared 1 times.
8 has appeared 1 times.
9 has appeared 1 times.


...Program finished with exit code 0
Press ENTER to exit console._
```