PES UNIVERSITY

UE19CS336 Digital Forensics

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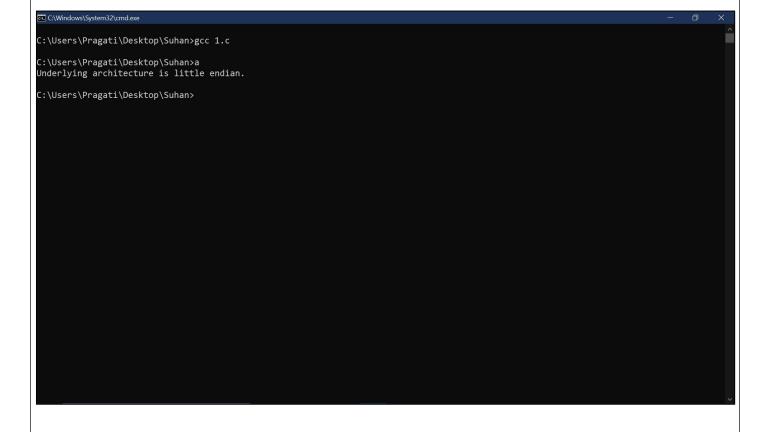
SRN: PES2UG19CS412

Section: G Section

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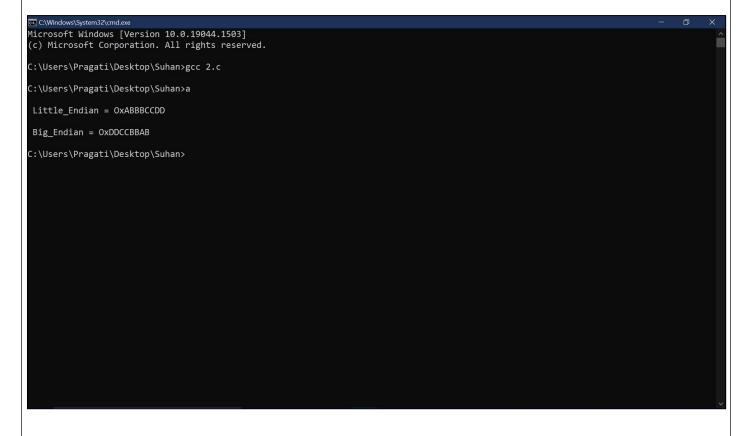
1) WAP to check system on which the program is running is little endian or not

```
Cource file length: 300 lines: 19 In: 19 Col: 2 Pos: 301 Windows (RILF) UTF-8 INS
```



2) WAP Program to Convert little endian to big endian

```
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```



3) WAP Program which has a function which will return the no of bits set to 0 and 1 in the integer

```
C:\Users\Pragati\Desktop\3.c - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
 💾 1.c 🗵 🚆 2.c 🗵 🔚 3.c 🗵
        #include <stdio.h>
// Naive solution to count the total number of set bits in `n'
         int countSetBits(int n)
             int count1 = 0;
              while (n) {
                   count1 += (n & 1); // check last bit
                  n >>= 1;
              return count1;
         int countZeroBits(int n)
              int count2=0;
              while (n)
                  count2 += (n \in 0); // check last bit
              return count2;
         int main()
       ⊟{
              int n;
printf("Enter a number:");
scanf("%d",sn);
printf("number of 1s in %d :%d\n",n,countSetBits(n));
printf("number of 0s in %d :%d\n",n,countZeroBits(n));
return 0;
C source file
                                                                                    length: 567 lines: 37
                                                                                                                      Ln:1 Col:1 Pos:1
                                                                                                                                                                Windows (CR LF) UTF-8
                                                                                                                                                                                                     INS
```

```
C:\Users\Pragati\Desktop\Suhan>gcc 3.c

C:\Users\Pragati\Desktop\Suhan>a
Enter a number:126
number of 15 in 126:6
number of 95 in 126:9

C:\Users\Pragati\Desktop\Suhan>

C:\Users\Pragati\Desktop\Suhan>
```