3.Problem-3:

a. Description:
   - Print out the digits of x
   - Print out sum of digits
b. Solution-1:

c. Solution-2:

```c
#include<stdio.h>
#include<math.h>
int main(){
int a, x = 0, y;
printf("Input a positive number less than 500: \n");
scanf("%d", & a);
int i;
int S=0;
 while(a!=0){
      S=S+(a%10);
      a =a/10;
}
printf("%d",S);
return 0;
}
```

d. Test case:

```
Input a positive number less than 500:
256
13
--------------------------------
Process exited after 7.638 seconds with return value 0
Press any key to continue . . .
```