מטלה מספר 9- -מסעוד גאנם

שאלה 1 : #

```c
#include <stdio.h>
int main()
}
        int num, sum1=0, sum2=0;
        printf("Enter a number :");
        scanf("%d" ,&num);
        while(num)
        }
                if(num%2==0)
                sum1+=num;
                else
                sum2+=num;
                printf("enter next number");
                scanf("%d",&num);
        {
        printf("number zogi : %d\n", sum1);
        printf("number izofi : %d", sum2);
{
```

#שאלה 2 :

```c
#include <stdio.h>
int main ()
{
        int i=10, num, sum1=0, sum2=0 ;
        while(i)
        {
                printf("enter a next num :");
                scanf("%d", &num);
                if (num>=0)
                        sum1++;
                else
                sum2++;
                i--;
        }
        printf("positive : %d\n",sum1);
        printf("negative : %d",sum2);
}
```

```
#include <stdio.h>
int main ()
{
        int ageman, agewoman, x=10 , y ;
        do
        {
                printf("\nenter age :");
                scanf("%d %d", &ageman, &agewoman);
                if (ageman>agewoman)
                        y=ageman-agewoman;
                else
                y=agewoman-ageman;
                printf("the diffirence is : %d", y);
                x--;
        }
        while(x!=0);
}
```

```
#include <stdio.h>
int main ()
{
        int num1, num2, y=5 ;
        do
        {
                printf("\nenter a number :");
                scanf("%d %d", &num1, &num2);
                if (num1>num2)
                        printf("%d", num2);
                else if(num1<num2)
                printf("%d", num1);
                else
                printf("equal");
                y--;
        }
        while(y);
}
```

```
#include <stdio.><
int main()
}
        int num,i, primary=1;
        printf("Enter a number :");
        scanf("%d", &num);
        for(i=2;i<=num/2;i++)
        }
                if(num%i==0)
                }
                        printf("%d ", i);
                        primary=0;
                {
        {
        if(primary)
        printf("a primary number");
{
```

```
#include <stdio.h>
int main ()
{
        int i=100,a,b,degel=1;
        printf("Enter a number :");
        scanf("%d %d", &a,&b);
        while (i<1000)
        {
                if(a%i==0 && b%i==0)
                {
                printf("%d ",i);
                degel=0;
                }
                i++;
        }
        if (degel==1)
        printf("error");
}
```

```c
#include <stdio.h>
int main()
{
        int num,i;
        printf("Enter a number :");
        scanf("%d", &num);
        for (i=2;i<=num;i++)
        {
                if (num%i==0)
                {
                printf("%d ", i);
                num=num/i;
                i--;
                }
        }
}
```

```c
#include <stdio.h>
int main()
{
        int num, vec[16]={0}, i, degel=0;
        printf ("Enter a number :");
        scanf("%d",&num);
        for(i=0;i<=15;i++)
        {
                if (num%2==0)
                vec[i]=0;
                else
                vec[i]=1;
                num=num/2;
        }
        for(i=15;i>=0;i--)
        {
                if(degel==0 && vec[i]==1)
                {
                        printf("%d",vec[i]);
                        degel=1;
                }
                else if (degel==1)
                printf("%d",vec[i]);
        }

}
```