

ASSISGNMENT-6

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1. #include<stdio.h>

int main()

{

int num,i,sum=0;

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

{

printf("Enter the number ");

scanf("%d",&num);

if(num<0)

printf("You have enter a negative number\nThe loop is terminated");

break;

sum=sum+num;

}

printf("\nAddition of numbers are %d",sum);

return(0);

}

Output:-

Enter the number 1

Enter the number 5

Enter the number 6

Enter the number -8

You have enter a negative number

The loop is terminated

Addition of numbers are 12

2. #include<stdio.h>

int main()

{

int a[10],i,sum;

sum=0;

printf("Enter the numbers ");

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

{

scanf("%d",&a[i]);

}

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

{

if(a[i]>=0)

sum=sum+a[i];

}

printf("Addition of numbers are %d",sum);

```
        return(0);  
    }  
}
```

Output-:

Enter the numbers 5

-4

-8

-2

-5

-6

-8

-9

-10

-5

Addition of numbers are 5

3. #include<stdio.h>

int main()

{

int number;

while(1)

{

printf("Enter the number ");

```
        scanf("%d",&number);  
        if(number==0)  
        {  
            printf("You have enter 0\nThe loop is terminated");  
            break;  
        }  
        printf("Number is %d\n",number);  
    }  
    return(0);  
}
```

Output:-

Enter the number 5

Number is 5

Enter the number 6

Number is 6

Enter the number 8

Number is 8

Enter the number 0

You have enter 0

The loop is terminated

4. #include<stdio.h>

```
int main()
{
    int no,i;
    printf("Enter the numbers ");
    scanf("%d",&no);
    do
    {
        if(no%i==0)
            break;
        i++;
    }
    while(i<no);
    if(no==i)
    {
        printf("number is prime");
    }
    else
    {
        printf("number is not prime");
    }
    return(0);
}
```

Output:-

Enter the numbers 5

number is prime

5. #include<stdio.h>

int main()

{

int no,sum;

sum=0;

no=1;

while(no<=10)

{

if(no%2==0)

continue;

no++;

sum=sum+no;

}

printf("Addition is %d",sum);

return(0);

}

Output:-

Addition is 25

6. #include<stdio.h>

int main()

{

int no,i;

i=2;

printf("Enter the numbers ");

scanf("%d",&no);

do

{

if(no%i==0)

continue;

i++;

}

while(i<no);

if(no==i)

{

printf("number is prime");

}

else

{

printf("number is not prime");

```
    }  
    return(0);  
}
```

Output:-

Enter the numbers 5

number is prime

7. #include<stdio.h>

```
int main()  
{  
    int no;  
    no=1;  
    while(no<=100)  
    {  
        if(no%2!=0)  
            continue;  
        no++;  
    }  
    printf("All even numbers are %d",no);  
    return(0);  
}
```

Output:-

All even numbers are 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42
44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96
98 100

8. #include<stdio.h>

int main()

{

int no;

if(no<0)

goto nprint;

else

goto print;

nprint:

printf("Entered number is negative");

goto end;

print:

while(no<10)

{

no++;

printf(" %d ",no);

}

end:

```
        return(0);  
    }  
}
```

Output:-

1 2 3 4 5 6 7 8 9 10

9. #include<stdio.h>

int main()

{

int no1,no2,sum,avg;

sum=0;

avg=0;

printf("Enter the number1 ");

printf("Enter the number2 ");

scanf("%d",&no1);

scanf("%d",&no2);

if(no1<0 || no2<0)

goto negative;

else

goto average;

negative:

printf("Entered number is negative\nEntered the positive number");

goto end;

```

    average:
        sum=no1+no2;
        avg=sum/2;
        printf("Entered number of sum is %d and average is %d",sum,avg);
        end:
        return(0);
}

```

Output:-

Enter the number1 -2

Enter the number1 20

Entered number is negative

Entered the positive number

10. #include<stdio.h>

```
int main()
```

```
{
```

```
    int no;
```

```
    printf("Enter the number ");
```

```
    scanf("%d",&no);
```

```
    if(no%2==0)
```

```
        goto even;
```

```
    else
```

```
    goto odd;

even:
    printf("The number is even");
    goto end;

odd:
    printf("The number is odd");
    end:

return(0);
}
```

Output:-

Enter the number 4

The number is even