

Q1) Problem - "factorial of a number"

Sol) CODE:

```
n = int(input("enter the number"))
```

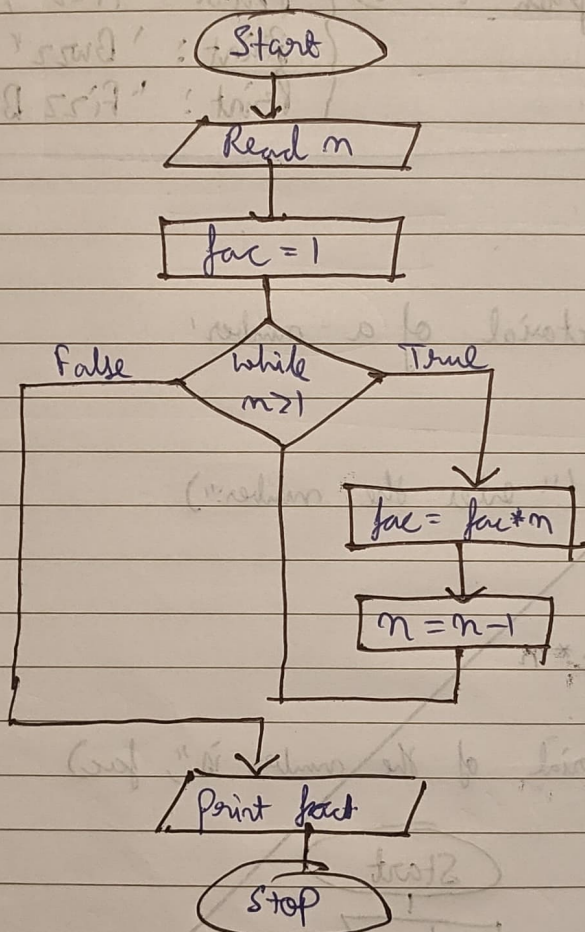
```
fac = 1
```

```
while n > 0:
```

```
    fac = fac * n
```

```
    n = n - 1
```

```
Print ("factorial of the number is", fac)
```



Q2) Problem = "Multiplication table"

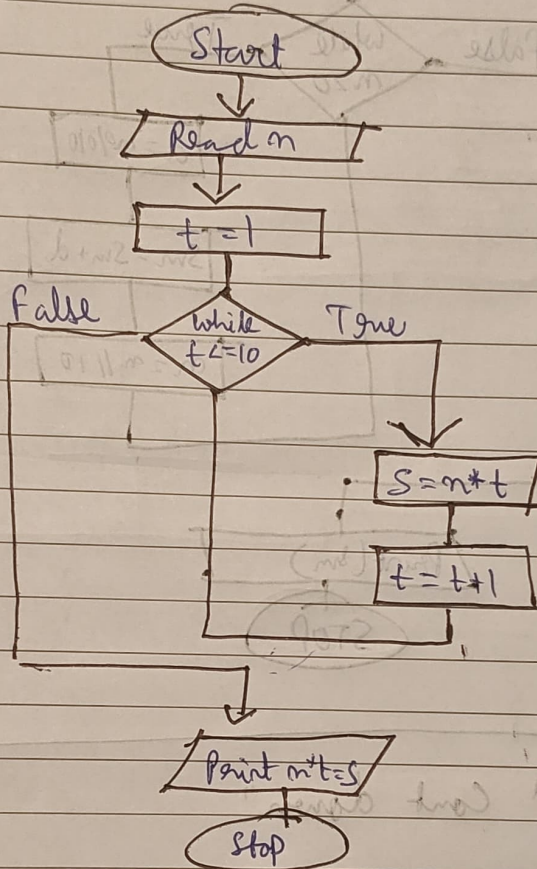
Sol) CODE:

```
n = int(input("enter the number"))
```

```

t = 1
while t <= 10:
    S = n * t
    print(n, "*", t, "=", S)
    t += 1

```



Q3

Problem = "Sum of digits"

Sol

CODE:

```
n = int(input("Enter the number"))
```

```
sum = 0
```

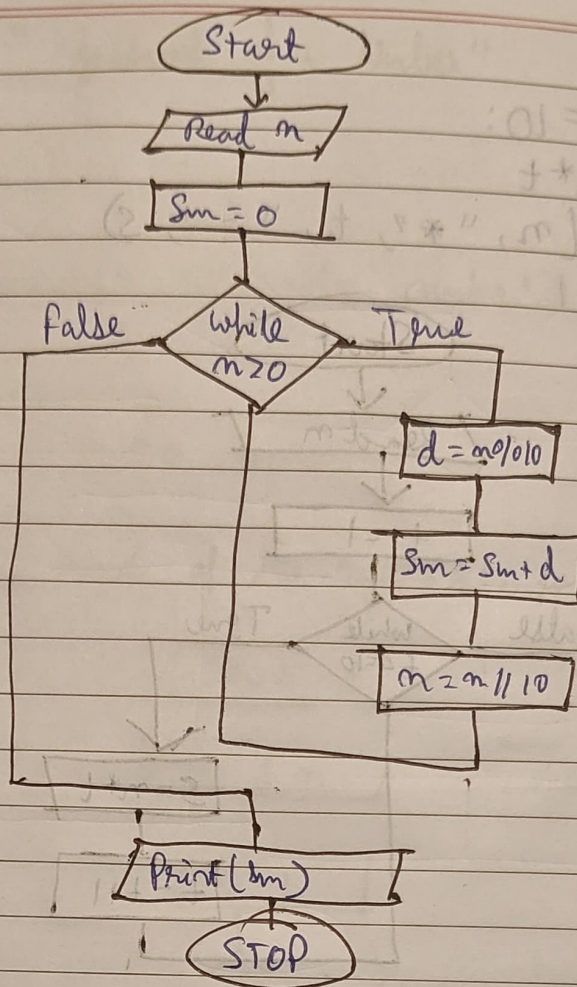
```
while (n > 0):
```

```
    d = n % 10
```

```
    sum = sum + d
```

```
    n = n // 10
```

```
print("Sum of the digits is", sum)
```

(a)

Problem = "Cont down"

(sol)

CODE:

n = 10

while n >= 10:

if n == 0:

print("blast off", n)

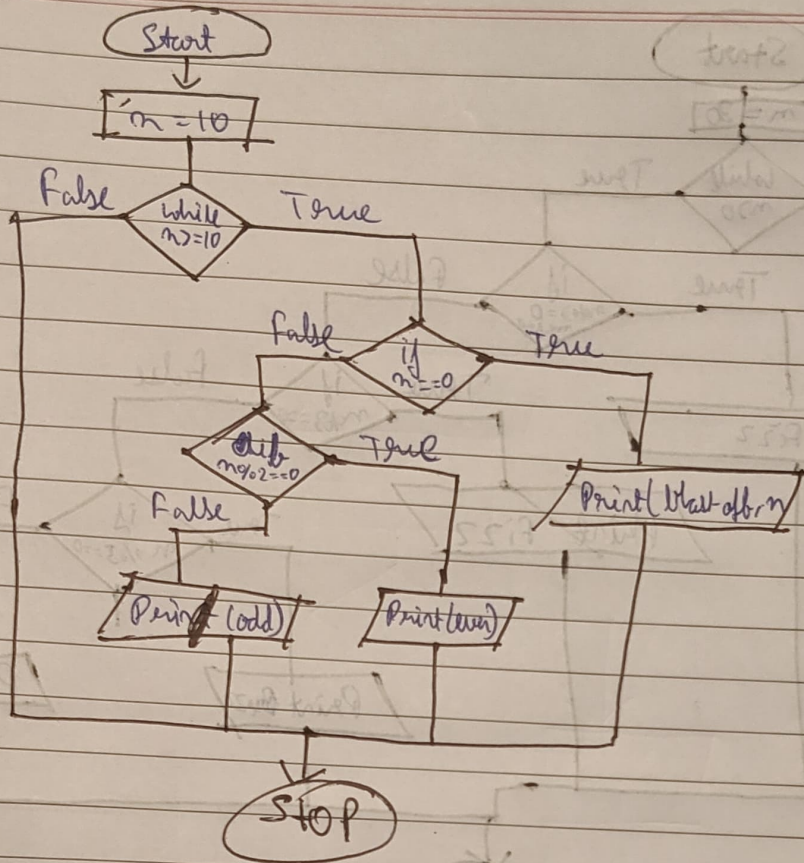
elif n % 2 == 0:

print("even number", n)

else:

print("odd number", n)

n = n - 1



Q5 Problem = "Multiples"

Sol CODE:

$n = 80$

While $n > 0$:

if $n \% 3 == 0$ and $n \% 5 == 0$
 print (n, " Fizz Buzz")

elif $n \% 3 == 0$
 print (n, " Fizz")

elif $n \% 5 == 0$
 print (n, " Buzz")

else:
 print (n)

$n = n - 1$

