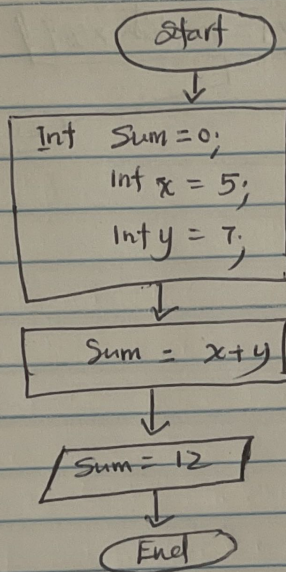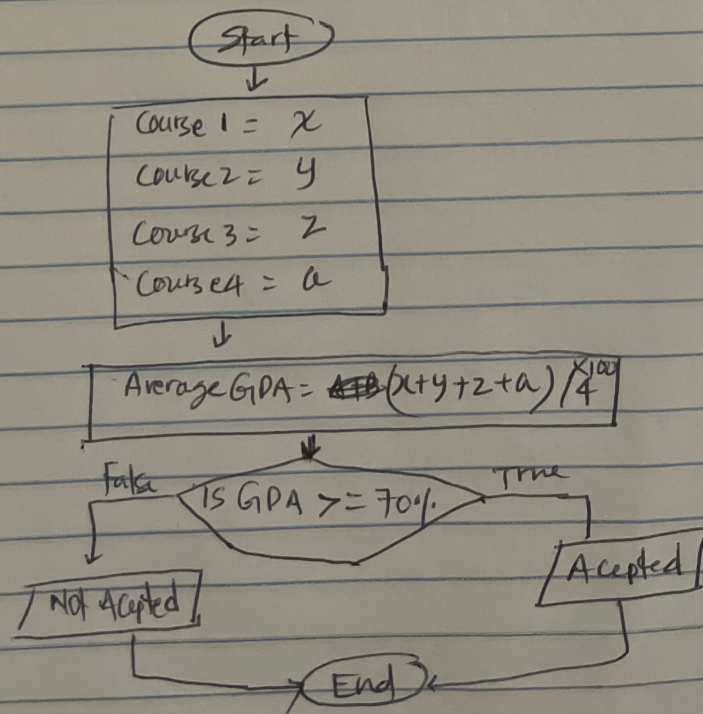Assignment 1_Suresh k Bamma

1) Required variables if I want to make a program for Air conditioner would be;

   i) Current tempertaure

   ii) Desired tempertaure
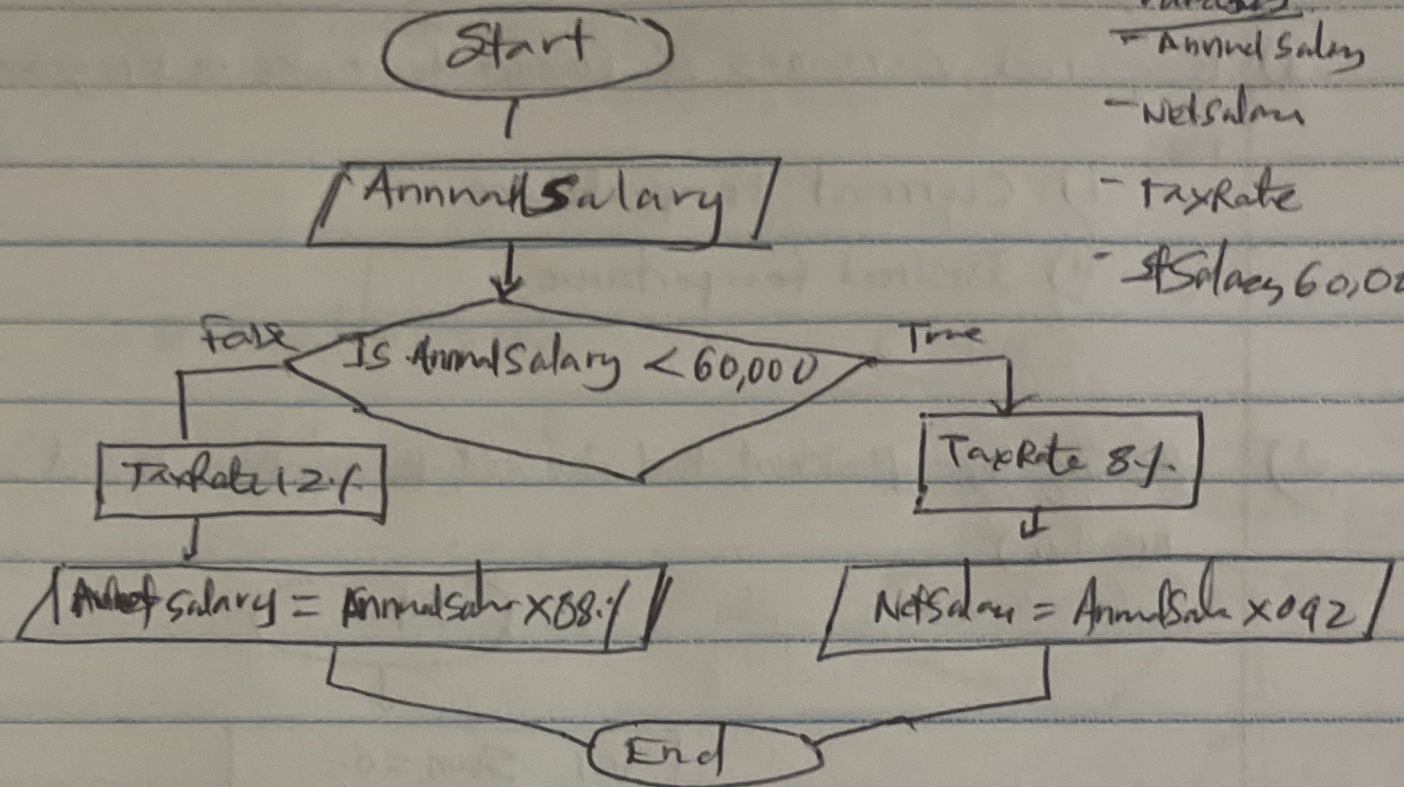
2) Drawing the flowchart that will add the numbers 10 and 20 and printout the result (Sum of number)


```
         ( Start )
             ↓
   ┌──────────────────┐
   │ Int  Sum = 0;    │
   │ Int x = 5;       │
   │ Int y = 7;       │
   └──────────────────┘
             ↓
   ┌──────────────────┐
   │  Sum  =  x+y     │
   └──────────────────┘
             ↓
   /  Sum = 12  /
             ↓
         ( End )
```

3)


```
         ( Start )
             ↓
   ┌──────────────────┐
   │ Course 1 = x     │
   │ Course 2 = y     │
   │ Course 3 = z     │
   │ Course 4 = a     │
   └──────────────────┘
             ↓
   ┌─────────────────────────────────┐
   │ Average GPA = (x+y+z+a)/4 ×100   │
   └─────────────────────────────────┘
             ↓
   false   < IS GPA >= 70% >   True
     ↓                           ↓
/ Not Acepted /            / Acepted /
     ↓                           ↓
         → ( End ) ←
```

Q.N. 4

Start

Annnual Salary

Is AnnualSalary < 60,000

False

Taxrate 12%

Au of Salary = AnnualSalary × 88%

True

TaxRate 8%

NetSalary = AnnualSalary × 0.92

End