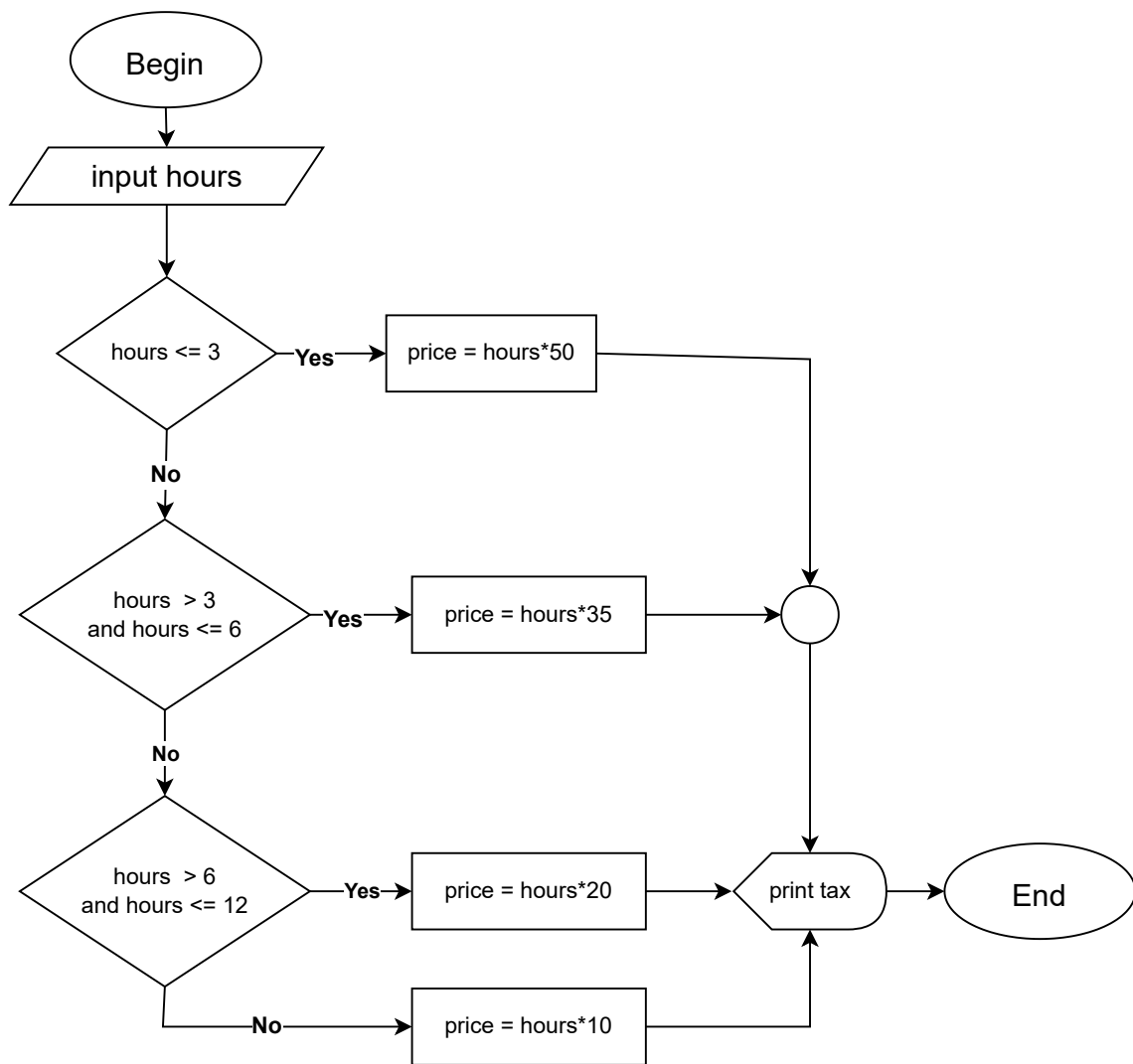# 1) Requirement

- Write a program accept the number of hours then calculate the parking charges to be paid as per the following conditions :

Number of hours	Charge per hour
Up to 3 hours	50/hour
More than 3 hours and less than or equal to 6hours	35/hour
More than 6 hours and less than or equal to 12 hours	20/hour
More than 12 hours	10/hour

2) Algorithm

- **Step 1 :** Begin
- **Step 2 :** Input number of hours
- **Step 3 :** if hours is less than or equal to then go to step 4 else go to step 5.
- **Step 4 :** calculate price by multiplying hours by 50, go to step 10..
- **Step 5 :** if hours is greater than 3 and less than or equal to 6 then go to step 6 else go to step 7.
- **Step 6 :** calculate price by multiplying hours by 35, go to step 10.
- **Step 7 :** if hours is greater than 6 and less than or equal to 12 then go to step 8 else go to step 9.
- **Step 8 :** calculate price by multiplying hours by 20, go to step 10.
- **Step 9 :** calculate price by multiplying hours by 10.
- **Step 10 :** print price.
- **Step 11 :** End
-

3) Flow chart

```
        ( Begin )
            |
            v
     / input hours /
            |
            v
      < hours <= 3 > --Yes--> [ price = hours*50 ] ----------+
            |                                                |
            No                                               |
            |                                                |
            v                                                |
   < hours > 3        --Yes--> [ price = hours*35 ] --> ( O )|
     and hours <= 6 >                                        |
            |                                                |
            No                                               v
            |                                          [ print tax ] --> ( End )
            v                                                ^
   < hours > 6        --Yes--> [ price = hours*20 ] ---------+
     and hours <= 12 >                                       |
            |                                                |
            No------------> [ price = hours*10 ] ------------+
```

4) Pseudocode

- **BEGIN**
- -----

- **END**
-
-