```
                          ( Start )
                             |
                             v
              / Input character (ch) /
                             |
                             v
                            If
 false      ( ch >= 'A' and ch              True
 <---------  <= 'Z' ) or ( ch >= 'a'  ---------->
            and ch <= 'z' )
                                             v
 / Print "Invalid Input" /                  If
            |                  ( ch == 'A' or ch == 'a' or
            |                    ch == 'E' or ch == 'e' or
            |                    ch == 'I' or ch == 'i' or ch == 'O'
            |                    or ch == 'o' or ch == 'U' or
            |                    ch == 'u' )
            |
            |          / Print "Consonant" /      / Print "Valid" /
            |                  |                        |
            |                  v                        |
            |               ( End )  <------------------
            --------------->
```

```
                    ( Start )
                        │
                        ▼
          / Input income (i) /
                        │
                        ▼
          │ tax = 0 │
                        │
                        ▼
             ╱ If ╲
           ╱ i>=0 and ╲──────── True
           ╲ i<=250000 ╱              │
             ╲    ╱                   ▼
             false          │ tax = income * 0 │
                │
                ▼
             ╱ If ╲
           ╱ i>250000 and ╲──────── True
           ╲ i<=500000 ╱                │
             ╲    ╱                     ▼
            false           │ tax = income * 0.05 │
                │
                ▼
             ╱ If ╲
           ╱ i>500000 and ╲──────── True
           ╲ i<=1000000 ╱               │
             ╲    ╱                      ▼
           false             │ tax = income * 0.2 │
                │
                ▼
             ╱ If ╲
           ╱ i>1000000 ╲──────── True
             ╲    ╱                     │
            false                       ▼
                │             │ tax = income * 0.3 │
                ▼
       / Print "Invalid input /
                │
                ▼                  True
             ( End )◄─────────────────
```

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
            ┌────────────────────────┐
            │    Input year(y)       │
            └────────────────────────┘
                         │
                         ▼
                       ◇◇◇◇
        False      y%400==0        True
    ◄──────────  or(y%4==0 and y%  ──────────►
                       100!=0)
         │                              │
         ▼                              ▼
   ┌──────────────┐            ┌──────────────┐
   │ Print "not   │            │ Print "leap  │
   │  leap year"  │            │   year"      │
   └──────────────┘            └──────────────┘
                    │
                    ▼
                 ┌─────┐
                 │ End │
                 └─────┘
```

```
                    Start
                      |
                      v
            [ Input marks (m) ]
                      |
                      v
                  / m >= 90 \ ---- True ----> [ Print "Grade A" ]
                  \         /
                      |
                    false
                      |
                      v
              / m >= 80    \ ---- True ----> [ Print "Grade B" ]
              \ and m < 90 /
                      |
                    false
                      |
                      v
              / m >= 70    \ ---- True ----> [ Print "Grade C" ]
              \ and m < 80 /
                      |
                    false
                      |
                      v
              / m >= 60    \ ---- True ----> [ Print "Grade D" ]
              \ and m < 70 /
                      |
                    false
                      |
                      v
              [ Print "Grade F" ]
                      |
                      v
                    End
```