a)

Scheduled Gantt Chart — 12 week Financial Program Modification

Schedule

Task	
Back up old program	weeks 1–3
Implement new program	weeks 2–12
Test & evaluate program	weeks 6–9
Maintain program	weeks 8–12
Run Prog	weeks 10–12

Weeks: 1 2 3 4 5 6 7 8 9 10 11 12
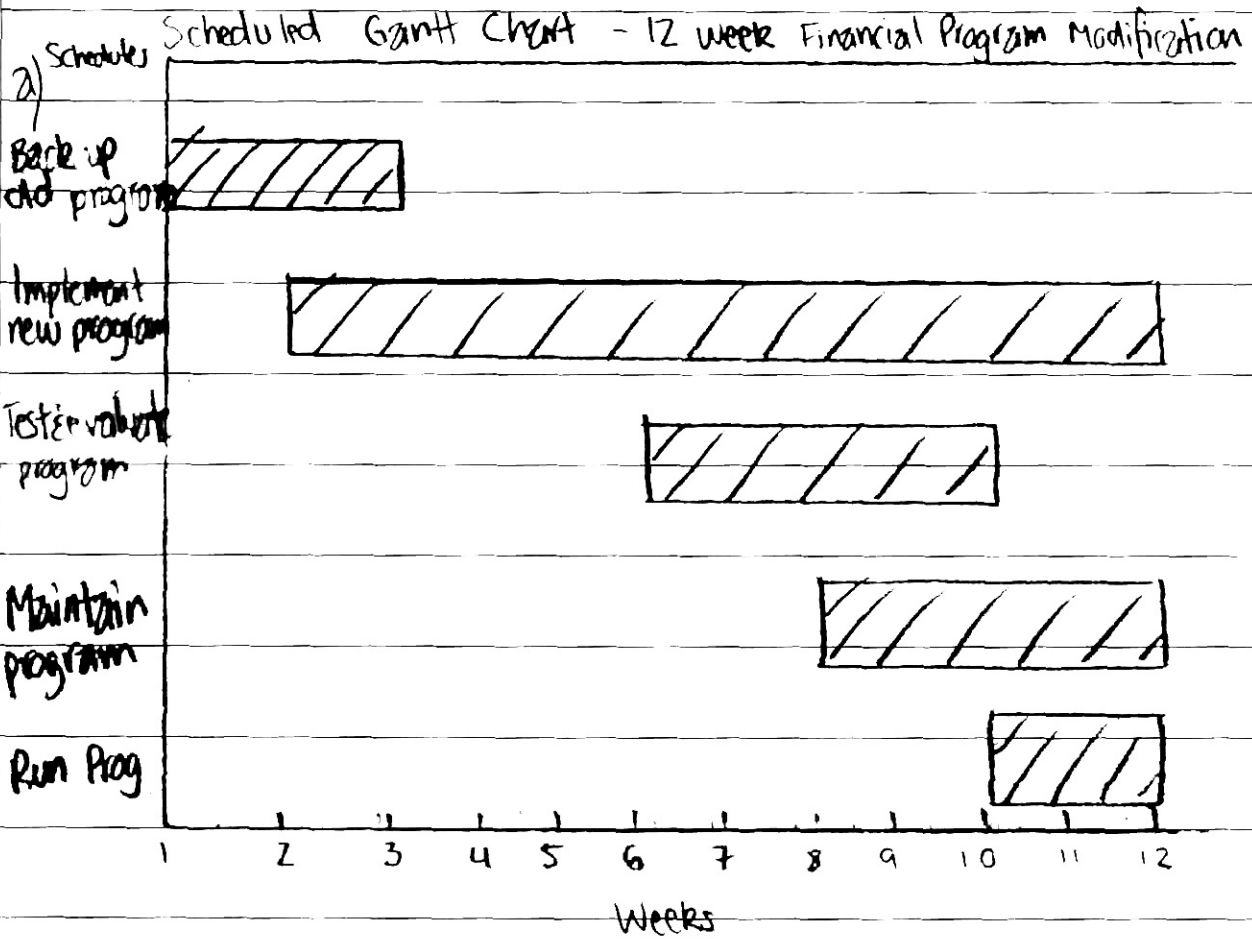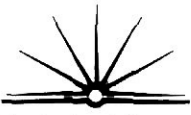
b) Well when creating a new system (program) to replace an old one. The data has to be collected from the old program. e.g. data dictionary, test data etc... This is so the new program created can be compatible with the new system.
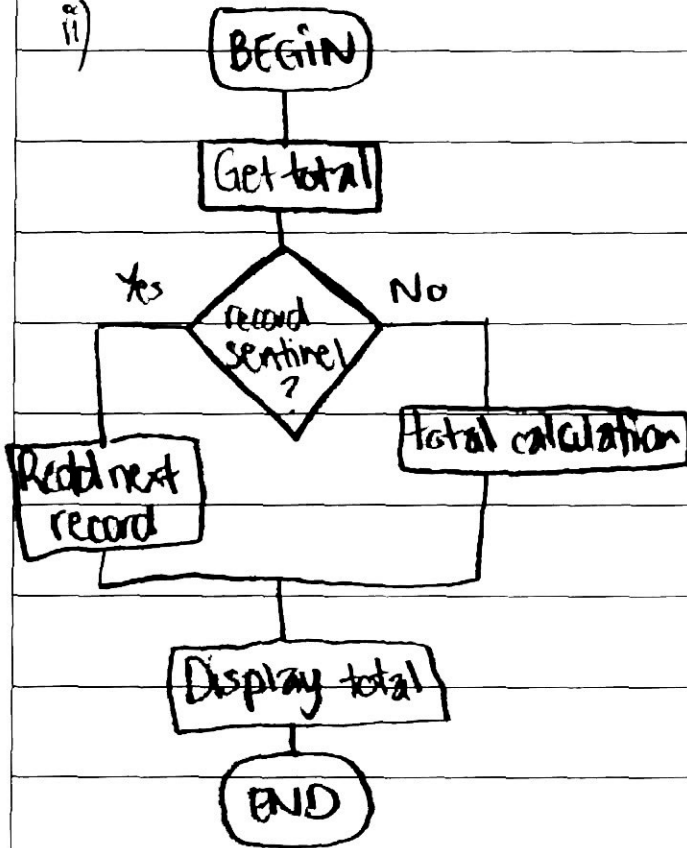
The new system has to be made sure that all the old data from the old can be entred into the new fields from the modified system.

c) i) ———

ii)

```
        ┌─────────┐
        │ BEGIN   │
        └─────────┘
             │
        ┌─────────┐
        │ Get total│
        └─────────┘
             │
       Yes   ◇    No
      ┌── record ──┐
      │  sentinel  │
      │     ?      │
      │    ◇       │
      │            │
┌──────────┐   ┌──────────────────┐
│Read next │   │ total calculation│
│ record   │   └──────────────────┘
└──────────┘            │
      └────────┬────────┘
         ┌──────────────┐
         │ Display total│
         └──────────────┘
               │
           ┌───────┐
           │  END  │
           └───────┘
```

d) i) This is a good, good CASE tool as it shows the versions of the program created and the modification since created from the beginning.

ii) —