**Page 41,Question 18**

Flowchart

Print”Your housing loan application is rejected”

If(employed==’N’)

Print “Please provide a guarantor”

Print “Your housing loan application is accepted”

If(salary>=5000)

If (employed==’Y’)

Read employed,salary

 True True

 False False

 True

 False

Nested if statements

If (employed=’Y’){

 If(salary >=5000)

 cout<<“ Your housing loan application is accepted”;

 else

 cout<< “Please provide a guarantor”;}

else if(employed=’N’)

 cout<<”Your housing loan application is rejected”;

**Page 42 ,Question 19**

int filling\_status;

switch (filling\_status)

{

case 1 : cout <<”Single”;

 break ;

case 2 : cout<<”Married-filing jointly”;

 break;

case 3 : cout<<”Married-filing separately”;

 break;

case 4 : cout<<”Head of Household”;

 break;

default : cout<<”Error in filing status”;

}

**Page 42 ,Question 20**

a.

Read choice

If(choice==4)

If(choice==3)

Print “ I can’t find that.”

Print “Thanks for playing with me!”

Print “ Green.A mix of blue and yellow.”

Print “ Yellow.Cheerful always”

If(choice==2)

Print “ Blue.Like the sky!”

Print “White.You have pure heart”

If(choice==1)

b. If (choice==1)

 cout<<” White.You have pure heart”;

 else if (choice==2)

 cout<<“ Blue.Like the sky!”;

 else if (choice==3)

 cout<<“ Yellow.Cheerful always”;

 else if (choice==4)

 cout<<“ Green.A mix of blue and yellow.”;

 else

 cout<<“ I can’t find that.”;

 cout<<“Thanks for playing with me!”;

c. By using if..else..if selection is much easier to read compare to Program 3.5