Begin

declaration

a\_bus, a\_econ, a\_fclass, gct, cost as double;

c\_econ, c\_bus, c\_fclass, n\_tot, a\_tot as double;

total as double;

age, userchoi, seat, r\_seat, t\_child, t\_adult as integer;

ticket as integer;

seat = 0;

n\_tot = 0;

a\_tot = 0;

t\_child = 0;

t\_adult = 0;

while (seat < 35)

begin while

seat = seat + 1;

r\_seat = 35 - seat;

Print “the number of seats remaining is {0}”, r\_seat;

Print " ";

Print “Please enter your age” ;

Read age;

if (age < 18)

begin if

c\_econ = 5000;

c\_bus = 10000;

c\_fclass = 15000;

Print "Please select one of the options of children tickets"

Print “1 = economy, 2 = business, 3 = first class”;

Read Userchoi ;

switch (userchoi)

begin switch ;

case 1:

gct = c\_econ \* 0.55;

cost = c\_econ + gct;

n\_tot = cost + n\_tot;

t\_child = 1 + t\_child;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, c\_bus” ;

break;

case 2:

gct = c\_bus \* 0.55;

cost = c\_econ + gct;

n\_tot = cost + n\_tot;

t\_child = 1 + t\_child;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, c\_bus” ;

break;

case 3:

gct = c\_fclass \* 0.55;

cost = c\_econ + gct;

n\_tot = cost + n\_tot;

t\_child = 1 + t\_child;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, c\_fclass” ;

break;

default:

Print "{0} is invalid selection.", userchoi;

seat = -1 + seat;

break;

end switch ;

end if

if (age >= 18)

begin if

a\_econ = 10000;

a\_bus = 15000;

a\_fclass = 20000;

Print “Plese select one of the options of adult tickets” ;

Print “1 = economy, 2 = business, 3 = first class :

Read userchoi

switch (userchoi)

begin switch

case 1:

gct = a\_econ \* 0.55;

cost = a\_econ + gct;

a\_tot = cost + a\_tot;

t\_adult = 1 + t\_adult;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, a\_econ ;

break;

case 2:

gct = a\_bus \* 0.55;

cost = a\_bus + gct;

a\_tot = cost + a\_tot;

t\_adult = 1 + t\_adult;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, a\_bus

break;

case 3:

gct = a\_fclass \* 0.55;

cost = a\_fclass + gct;

a\_tot = cost + a\_tot;

t\_adult = 1 + t\_adult;

Print “The cost of ticket is {0:c} after {1:c} GCT is added to {2:c}", cost, gct, a\_fclass;

break;

default:

Print "{0} is invalid selection.", userchoi;

seat = -1 + seat;

break;

end switch

end if

Print “ “ ;

Print" The sum of money collected for the adult ticket is {0:c}", a\_tot ;

Print “ “ ;

Print “the number of adult ticket sold is {0}", t\_adult ;

Print " " ;

Print "The sum of money collected for the children ticket sold is {0:c}", n\_tot ;

Print " " ;

Print "the number of children ticket sold is {0}", t\_child ;

Print " " ;

total = a\_tot + n\_tot;

ticket = t\_child + t\_adult;

Print "The sum of money collected is {0:c}", total ;

Print " " ;

Print "The number of passenger is {0}", ticket ;

End while

ReadKey ;

End