IPO CHART

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| Input | Progress | Output |
| Username  Pin  UserInput\_Start  UserInput\_Previous  UserInput\_Record  UserInput\_Play  UserInput\_SaveRecord  decision1  decision2  decision3  decision4  decision4a  decision4b | 1. UserAuthentication(Username,Pin)  2. global File  3. get Username  4. get Pin  5. chances=2  6. if [Username,Pin]==Database  print ‘Access granted’  end if  7. while [Username,Pin]!=Database  print ‘Invalid Username and Pin, Please try again.’  get Username  get Pin  chances=chances-1  if [Username,Pin]==Database then,  print ‘Access granted’  PlayAgain=True  end if  if chances<=0 and [Username,Pin]!=Database then,  print ‘Bye’  end if  while end  8. if Username==hong then,  File=ID[0]  end if  9. if Username==Edmund then,  File=ID[1]  end if  10. exit  1. UserRecord(UserInput\_Record)  2. global SeeRecord  3. get UserInput\_Record  4. if UserInput\_Record!=y or UserInput\_Record!=n then,  repeat  print ‘Please enter y or n’  get UserInput\_Record  until (UserInput\_Record ==y or UserInput\_Record ==n)  end if  5. if UserInput\_Record ==y then,  SeeRecord=True  end if  6. if UserInput\_Record ==n then,  SeeRecord=False  7. if SeeRecord==True then,  OpenRecord()  8. exit  1. UserStart(UserInput\_Start)  2. global PlayGame  3. get UserInput\_Start  4. if UserInput\_Start!=y or UserInput\_Start!=n then,  repeat  print ‘Please enter y or n’  get UserInput\_Start  until (UserInput\_Start==y or UserInput\_Start==n)  end if  5. if UserInput\_Start==y then,  PlayGame=True  end if  6. if UserInput\_Start==n then,  exit  end if  1. UserPlayAgain(UserInput\_Play)  2. get UserInput\_Play  3. if UserInput\_Play!=y or UserInput\_Play!=n then,  repeat  print ‘Please enter y or n’  get UserInput\_Play  until (UserInput\_Play==y or UserInput\_Play==n)  end if  4. if UserInput\_Play==y then,  PlayGame=True  end if  5. if UserInput\_Play==n then,  PlayGame=False  end if  6. if PlayGame==False then,  exit  1. UserSaveRecord (UserInput\_SaveRecord)  2. global SaveRecord  3. get UserInput\_SaveRecord  4. if UserInput\_SaveRecord!=y or UserInput\_SaveRecord!=n then,  repeat  print ‘Please enter y or n’  get UserInput\_SaveRecord  until (UserInput\_SaveRecord==y or UserInput\_SaveRecord==n)  end if  5. if UserInput\_SaveRecord==y then,  SaveRecord=True  end if  6. if UserInput\_SaveRecord==n then,  SaveRecord=False  7. if SaveRecord== True then,  record()  end if  1. UserPreviousRecord(UserInput\_Previous)  2. global CreateFile  3. get UserInput\_Previous  4. if UserInput\_Previous!=y or UserInput\_Previous!=n then,  repeat  print ‘Please enter y or n’  get UserInput\_Previous  until (UserInput\_Previous==y or UserInput\_previous==n)  end if  5. if File=ID[0] then,  if UserInput\_Previous==n then,  CreateFile=True  my\_file=open(‘ScoreBoard1.txt’, ‘w’)  end if  if UserInput\_Previous==y then,  CreateFile=False  end if  end if  6. if File=ID[1] then,  if UserInput\_Previous==n then,  CreateFile=True  my\_file=open(‘ScoreBoard2.txt’, ‘w’)  end if  if UserInput\_Previous==y then,  CreateFile=False  end if  end if  7. exit  1. CheckFile(File)  2. global CreateFile  3. if File==ID[0] then,  open(‘ScoreBoard1.txt’, ‘r’)  if open(‘ScoreBoard1.txt’, ‘r’)==False then,  print ‘You Lied’  my\_file=open(‘ScoreBoard1.txt’, ‘w’)  end if  end if  4. if File==ID[1] then,  open(‘ScoreBoard2.txt’, ‘r’)  if open(‘ScoreBoard2.txt’, ‘r’)==False then,  print ‘You Lied’  my\_file=open(‘ScoreBoard2.txt’, ‘w’)  end if  end if  5. exit  1. record()  2. if File==ID[0] then,  if point<25 then,  Scores= ‘You Had Played Bad Ending.’  else if point<=50 then,  Scores= ‘you Had Played Semi-Bad Ending.’  else if point<=75 then,  Scores= ‘You Had Played Semi-Good Ending.’  else Scores= ‘You Had Played good Ending.’  end if  end if  end if  end if  3. recordFunction = Record[Score]  4. ScoreBoard1 = open('ScoreBoard1.txt', 'a')  5. if File==ID[1] then,  if point<25 then,  Scores= ‘You Had Played Bad Ending.’  else if point<=50 then,  Scores= ‘you Had Played Semi-Bad Ending.’  else if point<=75 then,  Scores= ‘You Had Played Semi-Good Ending.’  else Scores= ‘You Had Played good Ending.’  end if  end if  end if  end if  6. recordFunction = Record[Score]  7. ScoreBoard1 = open('ScoreBoard2.txt', 'a')  8. exit  1. OpenRecord()  2. if File==ID[0]  ReadNotePad=open(ScoreBoard1.txt’, ‘r’)  loop: line : 1 to ReadNotePad  line=Record[recordFunction]  Numplayed=1  loop: Play : 1 to length(Record)  Read=list  if NumPlayed==1 then,  Text= ‘st’  else if NumPlayed==2 then,  Text= ‘nd’  else Text= ‘th’  end if  end if  print List , ‘for the’ , NumPlayed,Text , ‘time’  NumPlayed=NumPlayed+1  ReadNotePad=Close(Filename)  end if  3. if File==ID[1]  ReadNotePad=open(ScoreBoard2.txt, ‘r’)  loop: line : 1 to ReadNotePad  line=Record[Scores]  Numplayed=1  loop: Play : 1 to length(Record)  Read=list  if NumPlayed==1 then,  Text= ‘st’  else if NumPlayed==2 then,  Text= ‘nd’  else Text= ‘th’  end if  end if  print List , ‘for the’ , NumPlayed,Text , ‘time’  NumPlayed=NumPlayed+1  ReadNotePad=Close(Filename)  end if  1. story(a,b)  2. global point  3. point=0  4. print "Here's the story begin..."  5. flow1="You woke up late, it is about 7.30am in the morning. But your school starts at 7.00am  What to do?"  6. print flow1  7. print "a) Walk to school"  8. print "b) Ride your bike to school (Forgot to pump the tyres)"  9. get decision(a,b)  10. while (decision1!="a" and decision1!="b")  print "Invalid input, please re-enter your answer."  get decision1  while end  11. if decision1=="a" then,  flow2= print "You start walking from your house. It is a long distance from your house to school. You start thinking what reason should explain to your teacher when you arrived in class and what punishment will you get from your teacher."  print flow2    flow3="After 15 minutes of walking, u have arrived at the school gate but the gate was closed. The security guard near the gate is sleeping soundly hugging a teddy bear."  print flow3  end if  12. if decision1=="b" then,  flow4="You immediately go and get the air pumper in your storeroom to pump your bike's tyres. While pumping the air to the tyres, you start thinking what reason should explain to your teacher when you arrived in class and what punishment will you get from your teacher."  print flow4  flow5="After the tyres are fully pumped, you rush to school by riding your bike with high speed. In a short while, you have arrived at the school gate but the gate was closed. The security guard near the gate is sleeping soundly with a teddy bear on his hand."  print flow5  end if  13. print "What to do?"  14. print "a) Climb in illegally (You might get caught from climbing in)"  15. print "b) Wake the guard by shouting (You might need a few minute to wake the guard)"  16. get decision2  17. while (decision2!="a" and decision2!="b")  print "Invalid input, please re-enter your answer."  get decision2  while end  18. if decision2=="a" then,  print "You are lucky, you sucessfully climb in and no ones caught you doing this."  end if  19. if decision2=="b" then,  print "You are lucky, the security guard woke up quickly after your first shouting."  end if  20. flow6="You quickly run to your classroom. Teacher just started teaching when you arrived in class. Teacher ask for your reason why you are late fiercely and ready to punish you!"  21. print flow6  22. print "What to do?"  23. print "a) Be honest (You might get a light punishment from your teacher)"  24. print "b) Make up a reason (You might get a heavy punishment if you get caught by teacher that you are lying but you might avoid the punishment if your lie is convincing)"  25. get decision3  26. while (decision3!="a" and decision3!="b")  print "Invalid input, please re-enter your answer."  get decision3  while end  27. if decision3=="a" then,  point=point+25  flow7="You received a light punishment which is standing during the first period since teacher knows that you are honest."  print flow7  end if  28. if decision3=="b" then,  flow8="You sucessfully avoided the punishment from your teacher because your lie is very convincing. But no matter how, you have a bad image in your friend's mind."  print flow8  end if  29.flow9="During class session, everyone are very concentrate on learning. Suddenly, fire alarm rang, you heard an announcement from your principal says:'EMERGENCY!EMERGENCY! Everyone, there are a bunch of zomb......' The principal did not finished his annoucement and was bitten by a zombie!"  30.print flow9  31.print "Whole class panic. What to do?"  32.flow10="a) Run out of the class and try to survive by yourself (You might easily escape alone)"  33.flow11="b) Stay and calm your classmate (You might help your clasmate but it is hard to escape with a group of people)"  34.print flow10  35.print flow11  36.get decision4  37.while (decision4!="a" and decision4!="b")  print "Invalid input, please re-enter your answer."  get decision4  while end  38. if decision4=="a" then,  flow12="You run to a nearest toilet to protect yourself by locking the door. While you are deciding for a further move, your classmate, John Cena who has been bullying you since first grade with a zombie chasing him into this toilet."  print flow12  print "What will you do?"  print "a) Take the risk and help him out"  print "b) Climb out through the window"  get decision4a  while (decision4a!="a" and decision4a!="b")  print "Invalid input, please re-enter your answer."  get decision4a  while end  if decision4a=="a" then,  point=point+25  flow13="You and John Cena has killed the zombie by hitting the zombie with a mop and punch the zombie in the face"  print flow13  flow14="Suddenly, you heard there is voice shouting says that there is a safe house just at the backyard of the school. At the moment, John Cena request to follow you to the safe house because his leg was injured in the fight . But remember, he has always been bullying you since first grade."  print flow14  print "a) Leave John Cena and run toward the safe house by yourself"  print "b) Forgive him and escape together"  get decision4b  while (decision4b!="a" and decision4b!="b")  print "Invalid input, please re-enter your answer."  get decision4b  while end  if decision4b=="a" then,  flow15= print "You just left John Cena alone because u cannot forgive what he did to u since first grade"  print flow15  end if  if decision4b=="b" then,  point=point+25  print "You forgive what he did in the past with kind-hearted and escape together."  end if  end if  if decision4a=="b" then,  print "You just left John Cena with the zombie in the toilet."  print "John Cena died from zombie"  flow16="You saw there is a safe house in the backyard and quickly run towards the safehouse. At the moment, you saw your teacher, Miss Elizabeth is pinning down by a zombie on the ground."  print flow16  print "What will you do?"  flow17="a) Take the risk and help your teacher (The safe house might be full if you waste your time on helping her)"  flow18="b) Ignore it and keep running (The zombie might chase you after attacking your teacher)"  print flow17  print flow18  get decision4b  while (decision4b!="a" and decision4b!="b")  print "Invalid input, please re-enter your answer."  get decision4b  while end  if decision4b=="a" then,  point=point+25  print "You decided to lend a hand to her and kill the zombie with a big stone."  end if  if decision4b=="b" then,  print "You freaked out to take the risk to help out. Your teacher is killed by the zombie"  end if  end if  end if  39. if decision4=="b"  point=point+25  flow19="Everyone are very scare and shouting while suddenly, an annoying classmate of yours, Pheng who always screw up something in class decided to leave the class."  print flow19  print "What will you do?"  print "a) Stop him, tell him we must work as a team and escape together"  print "b) Ignore him and let him leave the class"  get decision4a  while (decision4a!="a" and decision4a!="b")  print "Invalid input, please re-enter your answer."  get decision4a  while end  if decision4a=="a" then,  point=point+25  print "You sucessfully persuade him to stay with the team."  flow20="Suddenly, a bunch of zombies rush in to attack us, and you remember there is a safe house at the backyard of the school."  print flow20  print "What will you do?"  flow21="a) Run away and straight to the safe house because you are not confident in wining this fight"  print flow21  print "b) Take the risk and stay with your team to fight the zombies together"  get decision4b  while (decision4b!="a" and decision4b!="b")  print "Invalid input, please re-enter your answer."  get decision4b  while end  if decision4b=="a" then,  print "You decided to run away because you don't think that your classmate and you can take down all the zombies"  end if  if decision4b=="b" then,  point=point+25  print "You decided to stay with the team and fight the zombies together."  end if  if decision4a=="b" then,  print "You just act like you do not know Pheng had ran out of the class."  flow22="Some other classmate also followed Pheng and ran out of the class. There are only few people left who stay back with you. Suddenly, there are a few of zombies are chasing Pheng's group. At the moment, you remember there is a safe house at the backyard of the school."  print flow22  print "What will you do?"  print "a) Help Pheng's group to take down the zombies together"  print "b) Leave Pheng's group and run to the safe house"  get decision4b  while (decision4b!="a" and decision4b!="b")  print "Invalid input, please re-enter your answer."  get decision4b  while end  if decision4b=="a" then,  point=point+25  flow23="You can't just let your friend die from the zombie, so you decide to help Pheng's group to take down the zombie together."  print flow23  end if  if decision4b=="b" then,  flow24="You do not want to help them because you do not want to take the risk."  print flow 24  end if  end if  end if  40.Bad = "When you are running towards the safe house, hundreds of zombies are chasing you to the safe house. In order to let you enter the safe house, they open the door and cause all the zombies to be able to rush into the safe house and killed everyone included you. In the end, everyone failed to escape from the zombies attack and died because of your selfishness."  41. Semi\_Bad ="When you are running towards the safe house, hundreds of zombies are chasing you to the safe house. You beg the people who are already in the safe house to open the door for you to enter. You straight rush into the safe house and kick those people out of the safe house and let the zombies change their target from you to them. At the end, your selfishness allowed you to survived but killed other people as a result."  42. Semi\_Good ="When you are running towards the safe house, hundreds of zombies are chasing you to the safe house. Because of your kind-hearted, you decided to sacrifices yourself by attracting te zombies to the other place. In the end , you died from the zombies attack but you have saved other people."  43. Good="When you are running towards the safe house, hundreds of zombies are chasing you to the safe house. A lot of people come out from the safe house to help you and take down all the zombies. At the end, everyone survived from this zombies attack."  44. if point<25 then,  Ending=Bad  else if point<=50 then,  Ending=Semi\_Bad  else if point<=75 then,  Ending=Semi\_Good  else  Ending=Good  end if  end if  end if  46.print Ending  1. Database=[(hong,1324),(Edmund,4242)]  2. ID=[hong,edmund]  3. UserAuthentication(Username,Pin)  4. UserPreviousRecord(UserInput\_previous)  5. CheckFile(File)  6. if SeeRecord==True then,  UserRecord(UserInput\_Record)  end if  7. UserStart()  8. while (PlayGame!=False)  story(a,b)  UserSaveRecord(UserInput\_SaveRecord)  UserRecord(UserInput\_Record)  UserPlayAgain(UserInput\_Play)  while end | ‘Access granted’  ‘Invalid Username and Pin, Please try again.’  ‘Bye’  ‘Please enter y or n’  ‘You Lied’  List , ‘for the’ , NumPlayed,Text , ‘time’  "Here's the story begin..."  flow1  "a) Walk to school"  "b) Ride your bike to school (Forgot to pump the tyres)"  "Invalid input, please re-enter your answer."  flow2  flow3  flow4  flow5  "What to do?"  "a) Climb in illegally (You might get caught from climbing in)"  "b) Wake the guard by shouting (You might need a few minute to wake the guard)"  "You are lucky, you sucessfully climb in and no ones caught you doing this."  "You are lucky, the security guard woke up quickly after your first shouting."  flow6  "a) Be honest (You might get a light punishment from your teacher)"  "b) Make up a reason (You might get a heavy punishment if you get caught by teacher that you are lying but you might avoid the punishment if your lie is convincing)"  flow7  flow8  flow9  "Whole class panic. What to do?"  flow10  flow11  flow12  "a) Take the risk and help him out"  "b) Climb out through the window"  flow13  flow14  "a) Leave John Cena and run toward the safe house by yourself"  "b) Forgive him and escape together"  flow15  "You forgive what he did in the past with kind-hearted and escape together."  "You just left John Cena with the zombie in the toilet."  "John Cena died from zombie"  flow16  "What will you do?"  flow17  flow18  "You decided to lend a hand to her and kill the zombie with a big stone."  "You freaked out to take the risk to help out. Your teacher is killed by the zombie"  flow19  "a) Stop him, tell him we must work as a team and escape together"  "b) Ignore him and let him leave the class"  "You sucessfully persuade him to stay with the team."  flow20  flow21  "b) Take the risk and stay with your team to fight the zombies together"  "You decided to run away because you don't think that your classmate and you can take down all the zombies"  "You decided to stay with the team and fight the zombies together."  "You just act like you do not know Pheng had ran out of the class."  flow22  "a) Help Pheng's group to take down the zombies together"  "b) Leave Pheng's group and run to the safe house"  flow23  flow24  Ending |