

Task 1

```
all_friends = []
getMore = True

while getMore:
    name = input("Enter name (blank to stop): ")

    if name == "":
        getMore = False
    else:
        email_address = input("Enter email: ")
        age = int(input("Enter age: "))

        friend = [name, email_address, age]
        all_friends.append(friend)

for item in all_friends:
    print(item[0], item[1], "age: ", item[2])#
```

```
Enter name (blank to stop): James
Enter email: James@gmail.com
Enter age: 24
Enter name (blank to stop): John
Enter email: John@gmail.com
Enter age: 25
Enter name (blank to stop): Phillip
Enter email: Phillip@gmail.com
Enter age: 31
Enter name (blank to stop):
James James@gmail.com age: 24
John John@gmail.com age: 25
Phillip Phillip@gmail.com age: 31
```

Task 2

```
all_friends = []
getMore = True

while getMore:
    name = input("Enter name (blank to stop): ")
```

```

if name == "":
    getMore = False
else:
    email_address = input("Enter email: ")
    age = int(input("Enter age: "))

    friend = [name, email_address, age]
    all_friends.append(friend)

```

```

upper_age = int(input("\nEnter upper age limit: "))
print("\nThese friends are under",upper_age)
for row in all_friends:
    if row[AGE] < upper_age:
        print(row[0],"is",row[2])

```

```

Enter name (blank to stop): James
Enter email: James@gmail.com
Enter age: 24
Enter name (blank to stop): John
Enter email: John@gmail.com
Enter age: 25
Enter name (blank to stop): Phillip
Enter email: Phillip@gmail.com
Enter age: 31
Enter name (blank to stop):

Enter upper age limit: 26

These friends are under 26
James is 24
John is 25
>>>

```

Task 3

```

#Define the index constants
NAME = 0
EMAIL = 1
AGE = 2

```

```

all_friends = []
getMore = True

```

```

while getMore:
    name = input("Enter name (blank to stop): ")

    if name == "":
        getMore = False
    else:
        email_address = input("Enter email: ")
        age = int(input("Enter age: "))

        friend = [name, email_address, age]
        all_friends.append(friend)

upper_age = int(input("\nEnter upper age limit: "))
print("\nThese friends are under", upper_age)
for row in all_friends:
    if row[AGE] < upper_age:
        print(row[NAME], "is", row[AGE])

```

```

Enter name (blank to stop): James
Enter email: James@gmail.com
Enter age: 24
Enter name (blank to stop): John
Enter email: John@gmail.com
Enter age: 25
Enter name (blank to stop): Phillip
Enter email: Phillip@gmail.com
Enter age: 31
Enter name (blank to stop):

```

```

Enter upper age limit: 26

```

```

These friends are under 26
James is 24
John is 25
\\

```

```

playing = True

```

```

while playing == True:

    name = input("What is your name (blank to stop): ")

    if name == "":

```

Task 4

results = []

total = 0

```

        playing = False
    else:
        gameName = input("What is the name of the game: ")
        score = int(input("What is your highest score: "))

        player = [name,gameName,score]
        results.append(player)

```

```

for i in range(0,len(results)):
    print("\n",results[i][0],"got",results[i][2],"in",results[i][1])
print("\n Blank Blank Blank")

```

```

What is your name (blank to stop): James
What is the name of the game: Rocket League
What is your highest score: 123
What is your name (blank to stop): John
What is the name of the game: Rocket League
What is your highest score: 125
What is your name (blank to stop): Phillip
What is the name of the game: Rocket League
What is your highest score: 124
What is your name (blank to stop):

```

```

    James got 123 in Rocket League

```

```

    John got 125 in Rocket League

```

```

    Phillip got 124 in Rocket League

```

```

Blank Blank Blank

```

```

>>>

```

```

to stop): ")
    if name == "":
        playing = False
    else:
        gameName = input("What is the name of the game: ")
        score = int(input("What is your highest score: "))

        player = [name,gameName,score]
        results.append(player)

```

Task 5

```

results = []

```

```

total = 0
playing = True
while playing ==
True:
    name =
input("What is
your name (blank

```

```

for i in range(0,len(results)):
    total = total + results[i-1][2]

print("The average is",total/len(results))

```

```

What is your name (blank to stop): James
What is the name of the game: Rocket League
What is your highest score: 123
What is your name (blank to stop): John
What is the name of the game: Rocket League
What is your highest score: 125
What is your name (blank to stop): Phillip
What is the name of the game: Rocket League
What is your highest score: 124
What is your name (blank to stop):
The average is 124.0

```

Task 6

```

results = []

total = 0
playing = True
while playing == True:
    name = input("What is your name (blank to stop): ")
    if name == "":
        playing = False
    else:
        gameName = input("What is the name of the game: ")
        score = int(input("What is your highest score: "))

        player = [name,gameName,score]
        results.append(player)

for i in range(0,len(results)):
    if i == 0:
        highestScore = results[0][2]
        name = results[0][0]

```

```
    else:
        if results[i][2]> highestScore:
            highestScore = results[i][2]
            name = results[i][0]
        else:
            highestScore = highestScore
            name = name
print(name,"had the highest score with",highestScore)
```

```
What is your name (blank to stop): James
What is the name of the game: Rocket League
What is your highest score: 123
What is your name (blank to stop): John
What is the name of the game: Rocket League
What is your highest score: 125
What is your name (blank to stop): Phillip
What is the name of the game: Rocket League
What is your highest score: 124
What is your name (blank to stop):
John had the highest score with 125
```