













1.6.1:

Merge pull request #2 from QuyenTran04/Lab01	Verified	c5a8591	 
add Lab-01 ex03		815c56e	 
Merge pull request #1 from QuyenTran04/Lab01	Verified	72d8cb6	 
[add] lab-01 ex01 ex02		9381236	 
Lab-01 Hello world		f71b935	 
Initial commit	Verified	b01fd5a	 

Commits on May 16, 2025	
Merge pull request #4 from QuyenTran04/Lab01	Verified 4885625
add lab-01 ex04, .gitignore	004e684
Merge pull request #3 from QuyenTran04/Lab01	Verified 9981a4b
add lab-01 ex04 and .gitignore	139dcf2
Commits on May 17, 2025	
add Lab-01 ex04	1d2a58e
Commits on May 15, 2025	
Merge pull request #2 from QuyenTran04/Lab01	Verified c5a8591
add Lab-01 ex03	815c56e
Merge pull request #1 from QuyenTran04/Lab01	Verified 72d0cb6
[add] lab-01 ex01 ex02	9381236

```
PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:\BMTTNC-Hutech-2280602684/Lab-01/ex01/hello.py
hello
```

Câu 1:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_01.py
nhap ten cua ban: Quyen
nhap tuoi cua ban: 21
Chao mung: Quyen ! Ban 21 tuoi
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 2:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_02.py
Nhap ban kinh cua hinh tron: 5
Dien tích hình tron là: 78.5
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 3:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_03.py
Nhap 1 so nguyen: 5
5 khong phai la so chan
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 4:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_04.py
2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422,2429,2436,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199

```

Câu 5:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_05.py
Nhap số giờ làm việc mỗi tuần: 40
Nhap thù lao trên mỗi giờ làm tiêu chuẩn: 100000
Số tiền thực lĩnh của nhân viên: 4400000.0
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 6:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_06.py
Nhap X, Y: 3,5
[[0, 0, 0, 0, 0], [0, 1, 2, 3, 4], [0, 2, 4, 6, 8]]
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 7:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_07.py
nhap cac dong van ban (Nhap 'done' de ket thuc):
tran a quyen
thbmttnc
done

Cac dong da nhap sau khi chuyen thanh chu in hoa:
TRAN A QUYEN
THBMTTNC
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 8:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_08.py
Nhap chuoai so nhi phan (phan tach boi dau phay): 0001,0011,0010,1010
Cac so nhi phan chia het cho 5 la: 1010
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 9:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_09.py
Nhap vao so can kiem tra: 11
11 la so nguyen to
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 10:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex02/ex02_10.py
Nhap vao chuoai can dao nguoc: quyen
Chuoai dao nguoc la: neyuq
PS D:\BMTTNC-Hutech-2280602684>

```

1.6.3:

Câu 1:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_01.py
Nhap vao danh sach so, cach nhau boi dau phay: 1,2,-3,-4,5,6,7,8
Tong cac so chẵn trong danh sach la: 12
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 2:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_02.py
Nhap vao danh sach so, cach nhau boi dau phay: 1,3,5,7,9,2,4,6,8
List sau khi dao nguoc la: [8, 6, 4, 2, 9, 7, 5, 3, 1]
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 3:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_03.py
Nhap vao danh sach so, cach nhau boi dau phay: 1,-2,3,4,5,-6,7,8,9
List: [1, -2, 3, 4, 5, -6, 7, 8, 9]
Tuple tu list: (1, -2, 3, 4, 5, -6, 7, 8, 9)
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 4:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_04.py
Nhap vao tuple vi du (1, 2, 3): (1,2,3,4,5)
Phan tu dau tien: 1
Phan tu cuoi cung: 5
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 5:

```

PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_05.py
Nhap vao danh cac tu, cach nhau bang dau cach: tran a quyen a a
So lan xuat hien cua cac phan tu: {'tran': 1, 'a': 3, 'quyen': 1}
PS D:\BMTTNC-Hutech-2280602684>

```

Câu 6:

```
PS D:\BMTTNC-Hutech-2280602684> & C:/Users/Admin/AppData/Local/Programs/Python/Python313/python.exe d:/BMTTNC-Hutech-2280602684/Lab-01/ex03/ex03_06.py
● Phan tu da duoc xoa tu dictionary: {'a': 1, 'c': 3, 'd': 4}
○ PS D:\BMTTNC-Hutech-2280602684>
```

1.6.4:

```
* 1. Nhap sinh vien *
* 2. Cap nhat sinh vien *
* 3. Xoa sinh vien *
* 4. Tim kiem sinh vien *
* 5. Sap xep sinh vien theo diem trung binh *
* 6. Sap xep sinh vien theo ten chuyen nganh *
* 7. Hien thi danh sach sinh vien *
* 0. Thoat *
```

```
*****
```

Nhap lua chon: 1

1. Them sinh vien

Nhap ten sinh vien: quyen

Nhap gioi tinh sinh vien: nam

Nhap nganh hoc sinh vien: cntt

Nhap diem trung binh sinh vien: 10

Them sinh vien thanh cong

ID	Name	Sex	Major	DiemTB	HocLuc
1	quyen	nam	cntt	10.0	Gioi

```
*****
```

```
* 1. Nhap sinh vien *
* 2. Cap nhat sinh vien *
* 3. Xoa sinh vien *
* 4. Tim kiem sinh vien *
* 5. Sap xep sinh vien theo diem trung binh *
* 6. Sap xep sinh vien theo ten chuyen nganh *
* 7. Hien thi danh sach sinh vien *
* 0. Thoat *
```

```
*****
```

Nhap lua chon: 3

3. Xoa sinh vien

Nhap ID sinh vien can xoa: 2

Xoa sinh vien 2 thanh cong

ID	Name	Sex	Major	DiemTB	HocLuc
1	quyen	nam	cntt	10.0	Gioi

Nhap diem trung binh sinh vien: 6

Them sinh vien thanh cong

ID	Name	Sex	Major	DiemTB	HocLuc
1	quyen	nam	cntt	10.0	Gioi
2	a	a	a	6.0	Trung binh

*	1. Nhap sinh vien	*
*	2. Cap nhat sinh vien	*
*	3. Xoa sinh vien	*
*	4. Tim kiem sinh vien	*
*	5. Sap xep sinh vien theo diem trung binh	*
*	6. Sap xep sinh vien theo ten chuyen nganh	*
*	7. Hien thi danh sach sinh vien	*
*	0. Thoat	*

Nhap lua chon: 2

2. Cap nhat sinh vien

Nhap ID sinh vien can cap nhat: 2

Nhap ten sinh vien: qqq

Nhap gioi tinh sinh vien: nam

Nhap nganh hoc sinh vien: cntt

Nhap diem trung binh sinh vien: 8

Cap nhat sinh vien thanh cong

ID	Name	Sex	Major	DiemTB	HocLuc
1	quyen	nam	cntt	10.0	Gioi
2	qqq	nam	cntt	8.0	Gioi

*	1. Nhap sinh vien	*
*	2. Cap nhat sinh vien	*
*	3. Xoa sinh vien	*
*	4. Tim kiem sinh vien	*
*	5. Sap xep sinh vien theo diem trung binh	*
*	6. Sap xep sinh vien theo ten chuyen nganh	*
*	7. Hien thi danh sach sinh vien	*
*	0. Thoat	*

Nhap lua chon: 5

5. Sap xep sinh vien theo diem trung binh

ID	Name	Sex	Major	DiemTB	HocLuc
3	n	n	n	5.0	Trung binh
2	q	q	q	9.0	Gioi
1	quyen	nam	cntt	10.0	Gioi

Them sinh vien thanh cong

ID	Name	Sex	Major	DiemTB	HocLuc
1	quyen	nam	cntt	10.0	Gioi
2	q	q	q	9.0	Gioi
3	n	n	n	5.0	Trung binh

```
* 1. Nhap sinh vien *
* 2. Cap nhat sinh vien *
* 3. Xoa sinh vien *
* 4. Tim kiem sinh vien *
* 5. Sap xep sinh vien theo diem trung binh *
* 6. Sap xep sinh vien theo ten chuyen nganh *
* 7. Hien thi danh sach sinh vien *
* 0. Thoat *
```

Nhap lua chon: 6

6. Sap xep sinh vien theo ten chuyen nganh

ID	Name	Sex	Major	DiemTB	HocLuc
3	n	n	n	5.0	Trung binh
2	q	q	q	9.0	Gioi
1	quyen	nam	cntt	10.0	Gioi

```
* 2. Cap nhat sinh vien *
* 3. Xoa sinh vien *
* 4. Tim kiem sinh vien *
* 5. Sap xep sinh vien theo diem trung binh *
* 6. Sap xep sinh vien theo ten chuyen nganh *
* 7. Hien thi danh sach sinh vien *
* 0. Thoat *
```

Nhap lua chon: 7

7. Hien thi danh sach sinh vien

ID	Name	Sex	Major	DiemTB	HocLuc
3	n	n	n	5.0	Trung binh
2	q	q	q	9.0	Gioi
1	quyen	nam	cntt	10.0	Gioi
