

<p>Christmas Shopping</p> <p>List in Python</p> <p>Explain The Code</p>	Name	
	Class	

Stage 1: Build your menu

```
def menu():
    print("Christmas List")
    print("-----")
    print("")
    print("1. Add item to Christmas list")
    print("2. Remove one item from your Christmas list")
    print("3. Clear your Christmas list")
    print("4. View Christmas list")
    print("5. Check if an item is already in your Christmas list")
    print("6. Export Christmas list to text file")
    print("")

choice=input("\n"+"Type an option number:")
if choice=="1":
    add_items()
elif choice=="2":
    remove_items()
elif choice=="3":
    clear_items()
elif choice=="4":
    view_items()
elif choice=="5":
    search_items()
elif choice=="6":
    export_items()
else:
    print("")
    print("You must select 1,2,3 or 4!")
    print("")
    menu()
```

Christmas Shopping List in Python Explain The Code	Name	
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Stage 2: Create each function

Add item to Christmas list

```
def add_items():
    print("Enter each item and type # when your list is complete!")
    while True:
        item = input("Type here > ")
        item=item.upper()
        if item == "#":
            print("Christmas list updated! Now loading menu...")
            time.sleep(2)
            print("")
            menu()
            break
    Christmas_list.append(item)
```

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Stage 2: Create each function

Remove one item from your Christmas list

```
def remove_items():
    remove=input("Type what you want to remove > ")
    remove=remove.upper()
    if remove in Christmas_list:
        Christmas_list.remove(remove)
        print(remove+" has been removed from the Christmas list. Now loading menu...")
    else:
        print(remove+" is not in your Christmas list. Now loading menu...")
    time.sleep(2)
    print("")
    menu()
```

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Stage 2: Create each function

Clear your Christmas list

```
def clear_items():  
    Christmas_list.clear()  
    print("Done. You no longer have any items on your Christmas list!")  
    print("")  
    menu()
```

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Stage 2: Create each function

View Christmas list

```
def view_items():  
    print()  
    print("Number of items on your list: "+str(len(Christmas_list)))  
    print(*Christmas_list, sep="\n")  
    print("")  
    menu()
```

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Stage 2: Create each function

Check if an item is already in your Christmas list

```
def search_items():
    search=input("Type what you are looking for > ")
    search=search.upper()
    if search in Christmas_list:
        | | print("Yes, "+search+" is in your Christmas list!")
    else:
        | | print("No, "+search+" is not in your list")
    time.sleep(3)
    print("")
    menu()
```

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Stage 2: Create each function

Export Christmas list to text file

```
def export_items():
    export=open("Christmas_list_export.txt", "w")
    export.writelines(["\n".join(Christmas_list)])
    export.close()
    print("Your Christmas list has been exported to Christmas_list_export.txt! Now loading menu...")
    time.sleep(2)
    print("")
    menu()
```

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Stage 3: Make it all work!

```
import time
Christmas_list=[]
menu()
```