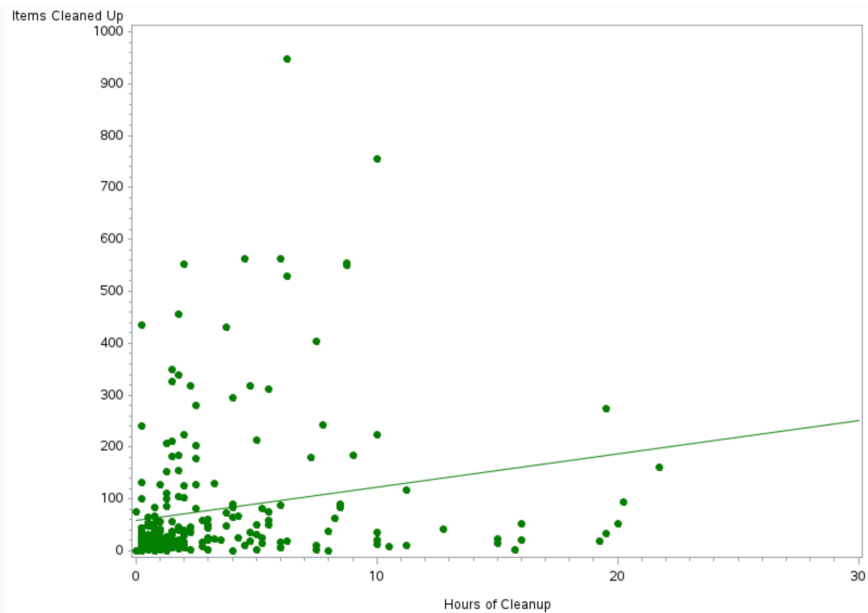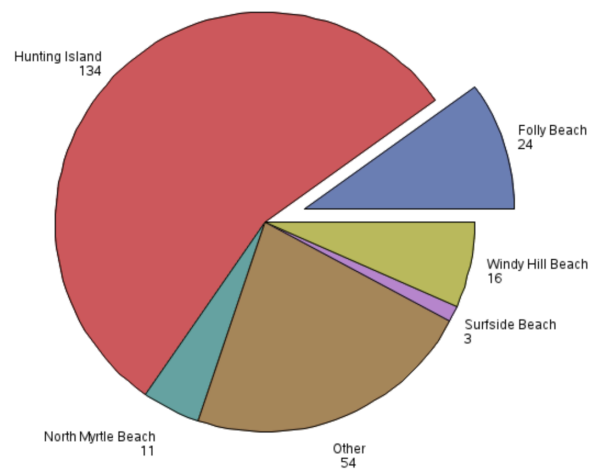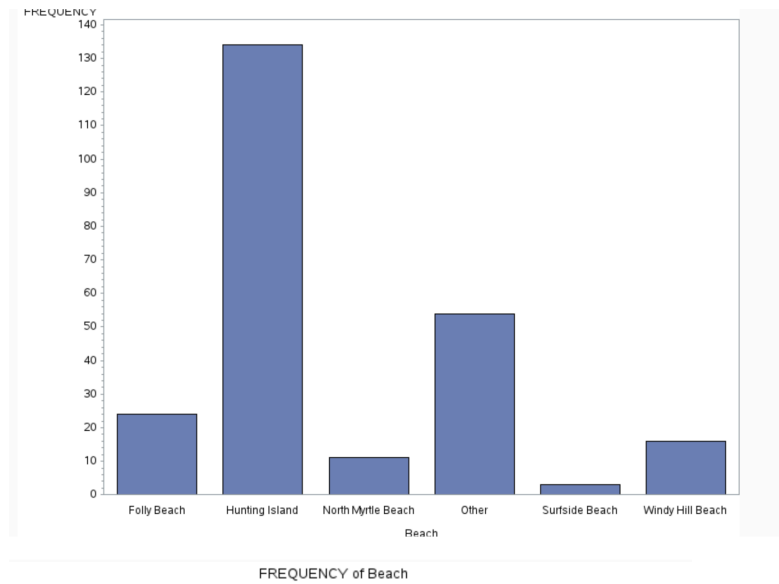General Knowledge Questions

1. Which option, to the REPORT procedure, instructs SAS to place a line underneath the column headers? *headline*

2. Which statement, in the DATA step, instructs SAS to keep the value(s) of calculated variable(s) for the next iteration of the step? *Retain*

3. In the REPORT procedure, how are character values justified in the default report? *left-justified*

4. In which step can FIRST.by-variable and LAST.by-variables be created? *Data step*

5. Which option, to the SYMBOL statement, specifies the shape of the plotting symbol? *value=*

6. What is the purpose of the STYLE= option to the ODS statement? *Apply pre-defined format for output*

7. Name two procedures that can be used to create list reports. *Print/Report*

8. Can LABEL and FORMAT statements be used in the GPLOT procedure? *Yes*

9. The DROP= and KEEP= options for data sets in the SET statement are used to control the variables that are _Read in_ the DATA step.

10. To create a summary report, the REPORT procedure must only contain _Group_ or _Analysis_ variables.

11. In the GCHART procedure, what type(s) of variable can be specified as a chart-variable? *Character or numeric*

12. In the DATA step, which statement is used to instruct SAS to immediately write a record to the output data set(s)? *Output Statement*

13. By default, does the REPORT procedure use labels as column headers? *Yes it does*

14. In the statement: `plot hours*classes;` is `hours` the vertical or horizontal variable? *Vertical Variable*

15. Which procedure can be used to produce scatterplots? *GPlot Procedure.*

Obs	Date	Beach	Organization	Items	Hours	Weight
1	12/24/2019	Windy Hill Beach	Individual (1208)	223	2	5.02
2	12/11/2019	North Myrtle Beach	Individual (1109)	13	0.5	0.84
3	11/23/2019	Other	1542	180	7.25	13.42
4	11/21/2019	Windy Hill Beach	Individual (1208)	212	1.5	5.46
5	11/02/2019	Other	1589	274	19.5	13.74
6	10/29/2019	Folly Beach	1628	191	178	8.39
7	10/29/2019	Folly Beach	Individual (1442)	59	5.5	4.67
8	10/26/2019	Other	1706	48	3.75	3.41
9	10/25/2019	Windy Hill Beach	Individual (1208)	317	2.25	5.24
10	10/13/2019	Folly Beach	1979	154	1.75	6.59
11	10/12/2019	Folly Beach	1979	432	3.75	17.89
12	10/12/2019	Other	1501	81	2.5	13.05
13	10/07/2019	Surfside Beach	Individual (1158)	948	6.25	15.81
14	10/06/2019	Folly Beach	1869	562	6	9.94
15	10/05/2019	Folly Beach	1979	1	8	0
16	10/05/2019	Other	1505	2	7.5	0.02
17	10/05/2019	North Myrtle Beach	1918	848	42.75	45.03

FREQUENCY

FREQUENCY of Beach

Obs	Type	Code	City	State	Country	Airport	Awards	AwardsRT
1	Air Force	EDF	Anchorage	AK	USA	Elmendorf Air Force Base	98	98
2	Army	BIG	Delta Junction/Fort	AK	USA	Allen Army Air Field	92	190
3	Air Force	EIL	Fairbanks	AK	USA	Eielson Air Force Base	15	205
4	Air Force	SYA	Shemya Island	AK	USA	Eareckson Air Force Station	47	252
5	Naval	NBJ	Foley	AL	USA	Barin Naval Outlying Field	93	345
6	Army	OZR	Fort Rucker (Ozark)	AL	USA	Cairns Army Air Field	62	407
7	Army	HEY	Fort Rucker/Ozark	AL	USA	Hanchey Army Heliport	71	478
8	Army	LOR	Fort Rucker/Ozark	AL	USA	Lowe Army Heliport	18	496
9	Army	FHK	Fort Zucker/Ozark	AL	USA	Knox Army Heliport	17	513
10	Air Force	GUN	Montgomery	AL	USA	Gunter Air Force Base	20	533
11	Air Force	MXF	Montgomery	AL	USA	Maxwell Air Force Base	38	571
12	Naval	NFD	Summerdale	AL	USA	Summerdale Naval Outlying Field	9	580
13	Army	CCA	Fort Chaffee	AR	USA	Chaffee Army Air Field	76	656
14	Air Force	GBN	Gila Bend	AZ	USA	Gila Bend Air Force Auxiliary Airport	18	674
15	Air Force	LUF	Glendale/Phoenix	AZ	USA	Luke Air Force Base	37	711
16	Air Force	DMA	Tucson	AZ	USA	Davis-Monthan Air Force Base	26	737
17	Army	LGF	Yuma Proving Ground	AZ	USA	Laguna Army Air Field	74	811
18	Naval	NGZ	Alameda	CA	USA	Alameda Naval Air Station (Nimitz Field)	76	887
19	Army	SYL	Camp Roberts (San Mi	CA	USA	Roberts Army Air Field	41	928
20	Air Force	EDW	Edwards	CA	USA	Edwards Air Force Base	72	1000
21	Naval	NJK	El Centro	CA	USA	El Centro Naval Air Facility	38	1038

Total rows: 4 Total columns: 2 |◄ ◄ Rows 1-4 ► ►|

	Type	TotalAwards
1	Air Force	3200
2	Army	1717
3	Marine	199
4	Naval	1476

```
                    Vehicle Prices: List Report        Wednesday, July  6, 2022 10:22:18
AM    5

        Vehicle Type           Horsepower   Manufacturer's Suggested Retail Price
        SUV            Between 150 and 300 hp                        $36,945
        Sedan          Between 150 and 300 hp                        $23,820
        Sedan          Between 150 and 300 hp                        $26,990
        Sedan          Between 150 and 300 hp                        $33,195
```

```
          Horsepowe
Type            r          MSRP
-------------------------------

Hybrid         73       $19,110
               93       $20,140
              110       $20,510
--------              ------------
Hybrid                   $59,760
========              ============
SUV           130       $21,087
              143       $20,585
              150       $20,130
```