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Question 1

Code:

```
libname pg2 base "E:\SAS\PG2\data";

data MoreExports;
set pg2.eu_sports;
where Year = 2015 & Country = "Malta" & Sport_Product in ("FISHING", "GOLF");
do Year = 2017 to 2031 by 2 until(Amt_Export > Amt_Import/4);
Amt_Export + 0.3*Amt_Export;
output;
end;

proc print data = MoreExports; run;
```

Output:

Obs	Sport_Product	Geo_Code	Country	Year	Amt_Import	Amt_Export
1	FISHING	MT	Malta	2017	733,000	6,500
2	FISHING	MT	Malta	2019	733,000	8,450
3	FISHING	MT	Malta	2021	733,000	10,985
4	FISHING	MT	Malta	2023	733,000	14,281
5	FISHING	MT	Malta	2025	733,000	18,565
6	FISHING	MT	Malta	2027	733,000	24,134
7	FISHING	MT	Malta	2029	733,000	31,374
8	FISHING	MT	Malta	2031	733,000	40,787
9	GOLF	MT	Malta	2017	13,000	1,300
10	GOLF	MT	Malta	2019	13,000	1,690
11	GOLF	MT	Malta	2021	13,000	2,197
12	GOLF	MT	Malta	2023	13,000	2,856
13	GOLF	MT	Malta	2025	13,000	3,713

Code:

```
□ data VisitProj;
set pg2.np_summary;
keep ParkName Projected DayVisits;
do Projected = "1st Year", "2nd Year", "3rd Year";
DayVisits + DayVisits*0.06;
if DayVisits > 17000 then leave;
end;
run;
□ proc print data = VisitProj(obs = 5); run;
```

Output:

Obs	ParkName	DayVisits	Projected
1	Cape Krusenstern National Monument	17,865	3rd Year
2	Kenai Fjords National Park	367,326	1st Year
3	Kobuk Valley National Park	17,416	2nd Year
4	Yukon-Charley Rivers National Preserve	1,365	3rd Year
5	Bering Land Bridge National Preserve	3,147	3rd Year

Code:

```
□ data CampNarrow;
set pg2.np_2017camping;
keep ParkName CampType CampCount;
CampType = "Tent";
CampCount = Tent;
output;
CampType = "RV";
CampCount = RV;
output;
CampCount = RV;
output;
CampType = "Backcountry";
CampCount = Backcountry;
output;
run;
□ proc print data = CampNarrow (obs = 9); run;
```

Output:

Obs	ParkName	CampType	CampCount
1	Acadia NP	Tent	152586
2	Acadia NP	RV	55812
3	Acadia NP	Back	1597
4	Amistad NRA	Tent	0
5	Amistad NRA	RV	11019
6	Amistad NRA	Back	0
7	Aniakchak NM & PRES	Tent	0
8	Aniakchak NM & PRES	RV	0
9	Aniakchak NM & PRES	Back	235

Code:

```
∃ data CampWide;
  set pg2.np_2016camping;
  by ParkName;
  keep ParkName Tent RV Backcountry;
  retain Tent RV Backcountry;
  if CampType = 'Tent' then Tent = CampCount;
else if CampType = 'RV' then RV = CampCount;
  else if CampType = 'Backcountry' then Backcountry = CampCount;
  if last.ParkName =1;
  run;
□ proc print data = CampWide (obs=3); run;
```

Output:

Obs	ParkName	Tent	RV	Backcountry	
1	Acadia NP	152811	46629	1324	
2	Amistad NRA	38	8265	0	
3	Aniakchak NM & PRES	0	0	235	

Code:

```
□ proc sort data = pg2.weather_highlow out = sort_lowhigh;
by Location descending Month Temp;
run;
□ proc transpose data = sort_lowhigh out = HighTemps (drop=_Name_)let;
by location;
id Month;
var Temp;
run;
□ proc print data = HighTemps; run;
```

Output:

Obs	Location	Jun	Jul	Aug
1	Black Canyon Of The Gunnison, CO	84	92	87
2	Moose, WY	80	90	89
3	Panther Junction, TX	104	101	98
4	Port Alsworth, AK	75	80	