Programming Assignment, show your code as well as a partial screenshot of your output.

- General Knowledge Questions

 (i) $\frac{1}{\sqrt{m}} = \frac{1}{\sqrt{m}} = \frac{1}{\sqrt{m}$ the variable 'due_date'.
 - 2. Which statement, in the PRINT procedure, is used to specify the variable used to create page breaks? PAGEBY
 - 3. Name four different input styles. Glum input, list input, formatted input, name & input
 - 4. Which statement is used in the DATASETS procedure to change the name of a variable? Rehave
 - 5. Which statements can be used to control the variables being written to the output data set? keep/ (Yep)

 6. List the two symbols used for line pointer control. #

 - 7. In which step(s) can IF statements be used? Data Step
 - 8. Which statement is used in the DATA step to direct SAS to read from an existing SAS dataset? ST
 - 9. Name the function that is used to convert all letters in a string to lowercase. LOWCASE
 - 10. Which input style is used to read in data that has a variable name assigned to each value? Mred hard
 - 11. Which statement is used to direct SAS to raw data within the program? Dat Mires
 - 12. Which statement is used in the DATASETS procedure to change the format of a variable?
 - 13. Without the use of DO and END statements, how many executable statements are allowed in an IF-THEN or ELSE statement? one
 - 14. Which procedure can be used to display the data portion of a SAS data set? Print Procedure
 - 15. In the DATA step, can a WHERE statement be used when evaluating a calculated variable? 1/10

Obs	Student_Group	2019_2020_GradRate	2020_2021_GradRate	PctPtDiff_GradRates
1	African American	76.80%	72.50%	-4.3
2	American Indian or Alaska Native	75.80%	73.00%	-2.8
3	Asian	92.50%	94.10%	1.6
4	Filipino	92.30%	93.80%	1.5
5	Hispanic or Latino	82.10%	80.50%	-1.6
6	Pacific Islander	84.30%	81.70%	-2.6
7	White	87.80%	88.20%	0.4
8	Two or More Races	85.50%	85.50%	C
9	Race/Ethnicity Not Reported	53.90%	72.80%	18.9
10	English Learners	69.00%	67.10%	-1.9
11	Foster Youth	58.00%	55.70%	-2.3
12	Homeless Youth	69.60%	67.80%	-1.8
13	Migrant Education	81.50%	79.40%	-2.1
14	Socioeconomically Disadvantaged	81.20%	80.40%	3.0-
15	Students with Disabilities	68.00%	68.60%	0.6
16	Statewide Total*	84.20%	83.60%	-0.6

	Alphabetic List of Variables and Attributes									
#	Variable	Туре	Len	Format	Informat	Label				
2	2019_2020_GradRate	Num	8	PERCENT12.2		2019_2020_GradRate				
3	2020_2021_GradRate	Num	8	PERCENT12.2		2020_2021_GradRate				
4	PctPtDiff_GradRates	Num	8	BEST.		PctPtDiff_GradRates				
1	Student_Group	Char	32	\$32.	\$32.	Student_Group				



	1		
Marine	NY	New York	Marine Air Terminal
	N	1 = 4	

Military Branch	Military Branch	State Abbreviation	City	Airport Name
Army	Army	AK	Delta Junction/Fort	Allen Army Air Field
	Army	AL	Fort Rucker (Ozark)	Cairns Army Air Field
	Army	AL	Fort Rucker/Ozark	Hanchey Army Heliport
	Army	AL	Fort Rucker/Ozark	Lowe Army Heliport
	Army	AL	Fort Zucker/Ozark	Knox Army Heliport
	Army	AR	Fort Chaffee	Chaffee Army Air Field
	Army	AZ	Yuma Proving Ground	Laguna Army Air Field
	Army	CA	Camp Roberts (San Mi	Roberts Army Air Field
	Army	CA	Fort Hunter/Liggett/	Tusi Army Heliport
	Army	CA	Herlong	Amedee Army Air Field
	Army	CA	Sharpe Army Depot (L	Sharpe Army Air Field
	Army	DC	Washington	Pentagon Army Heliport
	Army	GA	Columbus	McKenna Army Air Field
	A	C4	Fort Denning (Columb	Laurana Americain Field

Q3

Payroll						
EmpID	Salary	NetPay				
E00525	\$72,000	\$56,160				
E02466	\$41,000	\$31,980				
E00802	\$81,000	\$63,180				
E00565	\$83,000	\$64,740				
E01457	\$36,000	\$31,680				
E04296	\$65,000	\$50,700				
E03631	\$35,000	\$30,800				
E04219	\$38,000	\$33,440				
E01146	\$28,000	\$24,640				

Salary statment Last Name Day of the Week Hired Bonus BEAUMONT 7 \$10,800.00 BERGAMASCO \$6,150.00 BETHEA \$12,150.00 BJURSTROM 4 \$12,450.00 BONDS 5 \$5,400.00 CHANG \$9,750.00 CHOPRA \$5,250.00 CHRISTENSEN 5 \$5,700.00 CHRISTIAN 6 \$4,200.00 CIAMPA 6 \$6,600.00 CLAYTON 1 \$5,550.00 DIELEMAN 7 \$16,200.00 DOWELL 4 \$10,650.00 DOWTY 3 \$16.800.00

Q5

CarAccidents Report 1 Tuesday, June 28, 2022 06:01:28 PM

0bs	Reference	Day	Time	Weather	n Vehicles	n Casualties
1	1112091	01/01/2014	1840	2	2	1
2	1180869	01/08/2014	1430	1	3	2
3	1180869	01/08/2014	1430	1	3	2
4	11A0238	01/10/2014	817	1	3	2
5	11A0238	01/10/2014	817	1	3	2
6	11A0628	01/10/2014	1220	1	2	1
7	11S1208	01/28/2014	1828	2	3	1
8	1211556	01/28/2014	2000	1	1	1
9	1221002	02/02/2014	1531	1	1	1
10	1270266	02/07/2014	824	1	4	2
11	1270266	02/07/2014	824	1	4	2
12	12F1262	02/25/2014	1800	2	2	1
13	12H1186	02/17/2014	1728	2	1	1
14	12H1210	02/17/2014	1735	1	2	1
15	12H1381	02/17/2014	1905	2	2	1
16	12I0039	02/18/2014	46	1	1	1
17	1210740	02/18/2014	1320	1	2	1
18	12I0834	02/18/2014	1422	1	1	1

Q6A

	Alphabetic List of Variables and Attributes								
#	Variable	Туре	Len	Label					
2	Day	Num	8	Date of Accident					
1	Reference	Char	7	Reference Number					
3	Time	Num	8						
4	Weather	Num	8	Weather Condition					
6	nCasualties	Num	8	Number of Casualties					
5	nVehicles	Num	8	Number of Vehicles					

Alphabetic List of Variables and Attributes # Variable Type Len Format Label 2 Day Num DATE9. Date of Accident 1 Reference Char Reference ID 3 Time 8 Num 4 Weather Num 8 Weather Condition nCasualties Num 8 Number of Casualties 5 nVehicles Num 8 Number of Vehicles

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Alphabetic List of Variables and Attributes						
#	Variable	Туре	Len			
2	Day	Char	10			
1	Reference	Char	7			
4	Severity	Num	8			
3	Time	Num	8			
6	VehicleType	Num	8			
5	nVehicles	Num	8			

Car Accident Data

Obs	Reference	Day	Time	Severity	nVehicles	VehicleType
1	1112091	01/01/2014	1840	3	2	9
2	1180869	01/08/2014	1430	3	3	9
3	1180869	01/08/2014	1430	3	3	9
4	11A0238	01/10/2014	817	3	3	9
5	11A0238	01/10/2014	817	3	3	9
6	11A0628	01/10/2014	1220	3	2	9

Car Accident Data Tuesday, June 28, 2022 06:03:36 PM

0bs	Reference	Day	Time	Severity	n Vehicles	Vehicle Type
1	1112091	01/01/2014	1840	3	2	9
2	1180869	01/08/2014	1430	3	3	9
3	1180869	01/08/2014	1430	3	3	9
4	11A0238	01/10/2014	817	3	3	9
5	11A0238	01/10/2014	817	3	3	9
6	11A0628	01/10/2014	1220	3	2	9
7	11S1208	01/28/2014	1828	3	3	9
8	1211556	01/28/2014	2000	3	1	9
9	1221002	02/02/2014	1531	3	1	9
10	1270266	02/07/2014	824	3	4	9
11	1270266	02/07/2014	824	3	4	9
12	12F1262	02/25/2014	1800	3	2	1
13	12H1186	02/17/2014	1728	3	1	9
14	12H1210	02/17/2014	1735	3	2	11
15	12H1381	02/17/2014	1905	3	2	9