	ASSIGNMENT  ATA SET	GIVEN IS S	SAIF	SDATACE	<b>-</b> T											
	ME : YASH SANJAY F		JALE	JAIA5	<b>- I</b>											
ROLL	L NO. : CM-18															
[1]: !pip	N:202401030007  p install pandas	as														
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Requir	irement already p install numpy	satisfied: six>=1.	5 in c:\¦	\programdata\anaco	conda3\lib\s	site-packa	ages (from py			>pandas)	(1.16.0)					
df=p		://Users//ASUS//Down							ID TT							
[17]:	ORDERNUMBER  0 1010	107	30	95.70		2871.00	2/24/2003 0:00 5/7/2003	Shipped	TR_ID MONT	1 <b>TH_ID Y</b> I	YEAR_ID 2003	ADDRESSLINE1 A 897 Long Airport Avenue 59 rue de	ADDRESSLINE2 NaN			<b>'05</b> 1
	<ul><li>1 1012</li><li>2 1013</li></ul>		34 41	94.74		2765.90 3884.34		Shipped	3	5 7	2003		NaN NaN			
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<		e total num	ber o	forders												
tota		'ORDERNUMBER'].nun:		I J.												
<b>2.</b> tota	al_sales = df['S		l sale:	S.												
[19]: prin	<pre>al_sales = df['S nt(total_sales) 2628.85</pre>															
avg_		e average q		ity ordere	ed per	order	•									
35.092	9280906836698		. 1													
uniq		unique prodes = df['PRODUCTLINE uctlines)														
['Moto	ips' 'Trains']	ssic Cars' 'Trucks			s' 'Planes'											
max_prin	_sale = df['SALE nt(max_sale)	e maximum  ES'].max()	ı sale	s value.												
	Find the	e minimum	sal-	s value												
min_	_sale = df['SALE nt(min_sale)		Jale:	d.												
7.	Identify	the most s	_		-											
most	t_sold_product = nt(most_sold_pro	= df.groupby('PRODU	_		-											
La Roo Name: 10 orde [27]: prin	ers_per_country nt(orders_per_co	the numbe  / = df['COUNTRY'].va	4.90 er of o	_	' count	try.										
COUNTE USA Spain France Austra	1004 n 342 ce 314	<u>.</u> !														
UK Italy Finlar Norway Singap	144 y 113 and 92 ay 85 apore 79															
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Japan Belgit Switze Philip Irelar	ium 52 ium 33 zerland 31 ippines 26 and 16															
Name: <b>11</b>	: count, dtype:  1. Find ou	int64 ut in which	<del>-</del>		num s	ales h	ıappen	ed.								
best		groupby('QTR_ID')[	<del>-</del>													
sale		ate total sadf.groupby('YEAR_ID	_													
YEAR_1 2003 2004	nt(sales_per_yea															
2005 Name:	1791486.71 : SALES, dtype:	float64 ne month w	/ith '	ighec+ *	al 🦭	<b>35</b> .										
best		ne month w			. sal											
<b>14</b> aver	rage_price = df[	1e average		s price (PF	RICEE	ACH).	•									
31]: prin	rage_price = df[ nt(average_price 5854410201914															
<b>15</b>	5. Find al	ll customer  [df['country'] == sa)			ique()											
32]: prin ['Land 'Tech 'Tekr	nt(customers_usand of Toys Inc.' chnics Stores In kni Collectables	' 'Toys4GrownUps.co nc.' 'Mini Wheels C s Inc.' 'Gift Depot	com' 'Corpo Co.' 'Vita ot Inc.' "N	oorate Gift Ideas tachrome Inc.' 'Marta's Replicas	s Co."											
'Died 'Clas 'Camb 'Mini 'Coll	ecast Classics I assic Gift Ideas mbridge Collecta ni Gifts Distrib llectables For L	Inc.' 'FunGiftIdeas s, Inc' 'West Coast ables Co.' 'Super S butors Ltd.' 'Onlir Less Inc.' 'Motor M	s.com' 'Cl t Collecta Scale Inc ne Diecast Mint Distr	Classic Legends In tables Co.' C.' St Creations Co.' tributors Inc.'	[nc.'											
'Mini 'Coll 'The 'Onli 'Boar	ni Classics' 'Mi llectable Mini D e Sharp Gifts Wa line Mini Collec ards & Toys Co.'	lini Creations Ltd.' Designs Co.' 'Gifts Jarehouse' 'Diecast ctables' 'Muscle Ma ' 'Signal Collectib	' "Men 'R :s4AllAges : Collectab lachine Ind .bles Ltd.	R' US Retailers, L s.com' ables' nc' 'Microscale In .' 'Signal Gift St	[nc.'											
'Gift	ft Ideas Corp.'  5. Calcula	'Auto-Moto Classic	any p	oroducts h		'SRP 9	१reater	than 1	<b>.00.</b>							
prod	ducts_high_msrp nt(products_high	o = (df['MSRP'] > 10														
<b>17</b> best	7. Find th	ne product  df.groupby('PRODUC				the hi	ghest s	ales.								
35]: prin	nt(best_productl sic Cars		J	, ) • 1												
uniq		umber of u  ['CITY'].nunique() es)	-	e cities cu	ıstome	ers ar	e from.									
73			104	ion O-	hit.	do-	24-1	alo-								
corresprin	relation = df['Q nt(correlation)	orrelation k		_	aty Ot	uere(	and S	ales.								
20		how many			ge'.											
larg		'DEALSIZE'] == 'Lar														
157																