

TASK 3

Visual Basic for Applications (VBA)

1. A macro to sort the entire spreadsheet by 5 YR CAGR in descending order to see which accounts have the highest overall 5-year sales growth

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperHelp

Account Sales Data for Analysis for Task 3 - Excel

Harshitha Poluri

Visual BasicMacro RecorderUse Relative ReferencesAdd-insExcel Add-insCOM Add-insInsertDesign ModeRun CodeSourceExpansion PacksExportMap PropertiesView CodeRefresh Data

U21

Sheet1

Sort by 5 YR CAGR in DESC Order

JPNC Excel Skills Virtual Experience Hypothetical Account Dataset																	
Account Name	Address	Division	Maker	Phone Number	Account Type	Product Lines			Marketing / Promotion Programs			Product Sales Volume (Units)				5 YR CAGR	
						Product	Social Media	Online Retailer	Product	Social Media	Online Retailer	2018	2019	2020	2021		
58 13	9575 Shipley Court, Brooklyn NY 11201	Tim Young	(878) 655-1272	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24	1787	3548	3668	8592	335%
6 MB 5	402 Bridgeton Lane, Bronx NY 10468	Bill Callahan	(617) 419-7996	Medium Business	Yes	Yes	No	Yes	No	Yes	No	73	2485	4692	5154	8100	223%
7 OR 2	7061 Bishop St, Yonkers NY 10701	Raymond Heylin	(914) 845-1746	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	138	286	6750	8154	8656	181%
8 WD 11	419 E Henry Ave, New York NY 10031	Carlos Jackson	(201) 563-0653	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	128	416	747	1028	6357	165%
9 MB 12	2402 W. Manhattan St, Bronx NY 10462	Mel Berkowitz	(917) 547-1542	Medium Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	209	621	3098	7118	8433	152%
10 MB 6	6 E Nichols Ave, New York NY 10027	Anthony Brooks	(348) 801-7566	Medium Business	Yes	Yes	No	No	No	Yes	No	238	1255	1822	7074	8207	142%
11 WD 2	815 2nd St, New York NY 10028	Craig Collins	(828) 628-2736	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	299	657	6238	8922	9081	139%
12 OR 10	195 Coffer St, Bronx NY 10472	Larry Alaimo	(212) 869-1226	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	376	889	4373	6803	7578	112%
13 OR 15	7217 Birch Hill Dr, New York NY 10009	Danell Straughter	(860) 628-4625	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	431	6211	7478	8039	8271	109%
14 OR 9	81 San Carlos Road, Bronx NY 10463	Dominique Johnson	(336) 448-7026	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	488	5555	5775	7661	9209	108%
15 MB 10	267 Randall Mill Dr, New York NY 10033	Kathy Rogers	(909) 738-6471	Medium Business	Yes	No	No	Yes	Yes	Yes	No	570	1322	7279	8443	9571	102%
16 OR 7	640 Beechwood Dr, Bronx NY 10461	Juan Scott	(357) 532-0838	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	742	3751	4423	8733	9909	91%
17 MB 8	5132 Bedford Rd, Bronx NY 10466	Christopher Evans	(852) 406-6300	Medium Business	Yes	Yes	No	Yes	No	Yes	No	712	3741	8247	8495	9236	91%
18 MB 14	48 S. Brandwyne St, New York NY 10002	Deshawn Fletcher	(845) 304-6511	Medium Business	Yes	Yes	No	No	No	Yes	No	712	4182	6087	7484	8599	86%
19 WD 5	21 Yulien St, Bronx NY 10451	Andre Mobley	(597) 703-9429	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	870	2428	7386	8835	9766	83%
20 MB 4	8154 Lake View Street, New York NY 10025	Debra Knoll	(628) 832-4986	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	861	1314	1810	6510	9271	81%
21 MB 4	2950 Southern Street, New York NY 10005	Susana Huels	(941) 505-6064	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	906	1251	2897	4499	5428	80%
22 OR 12	9151 River St, Brooklyn NY 11230	Shaun Salvatore	(691) 657-1498	Online Retailer	Yes	Yes	No	No	No	Yes	Yes	1038	3615	3712	5819	9589	74%
23 WD 10	8760 Taylor Dr, Brooklyn NY 11213	John Mackley	(928) 816-6148	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	1197	4189	5407	6123	9681	63%
24 OR 5	7839 Elm St, Staten Island NY 10306	Lee Niemeyer	(920) 451-3973	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1092	3140	4123	4366	9482	72%
25 WD 7	65 Lower River Ave, Bronx NY 10465	Thomas Stewart	(381) 643-1230	Wholesale Distributor	Yes	Yes	Yes	No	No	Yes	No	1082	3353	6351	8550	9272	71%
26 MB 1	2285 Leffingwell Drive, New York NY 10013	Donna Lee	(952) 952-5573	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1209	1534	1634	4302	9768	69%
27 WD 13	2 Rock Maple Ave, New York NY 10029	Shameka West	(488) 656-0761	Wholesale Distributor	Yes	Yes	Yes	No	No	No	No	1263	2517	8042	8222	9686	66%
28 WD 15	174 Del Monte St, Brooklyn NY 11214	Anna Grey	(860) 437-1451	Wholesale Distributor	Yes	Yes	Yes	No	No	No	No	1014	2254	4534	6790	7730	60%
29 MB 7	833 North Edgewood St, Bronx NY 10457	Charlotte Laroux	(784) 634-6873	Medium Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1168	3467	4535	5476	9883	64%
30 WD 9	8388 Gonzales St, Brooklyn NY 11228	Danielle Tomas	(459) 261-2301	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	1357	4189	5407	6233	9681	63%
31 OR 14	81 Crescent St, Brooklyn NY 11210	Maria Sawyer	(861) 243-5276	Online Retailer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1290	4033	6956	7929	8834	62%
32 WD 6	18 N. Woodland Ave, New York NY 10025	Ray Hernandez	(609) 345-8163	Wholesale Distributor	Yes	Yes	Yes	No	No	Yes	No	1497	1768	2804	5718	9822	60%
33 WD 14	9777 Nicolls Ave, Staten Island NY 10312	Kevin Fleming	(505) 848-8284	Wholesale Distributor	Yes	Yes	Yes	No	No	No	No	1032	3919	4466	5568	6476	58%
34 WD 3	8875 Franklin Rd, Brooklyn NY 11213	John Mackley	(931) 618-0915	Wholesale Distributor	Yes	Yes	No	No	No	Yes	No	1182	5088	6922	8128	9202	58%
35 MB 8	8735 Square Creek Drive, Brooklyn NY 11214	Jaunita Wisok	(305) 531-1310	Small Business	Yes	No	Yes	Yes	Yes	Yes	No	1581	4799	6582	9024	9759	58%
36 MB 9	861 Gonzales Lane, Bronx NY 10472	Mia Ang	(253) 861-1301	Medium Business	Yes	Yes	No	Yes	Yes	Yes	Yes	1779	2124	2844	6877	9570	52%
37 MB 1	2131 Patterson Road, Brooklyn NY 11201	Dorothy Rizzo	(860) 283-6803	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1983	5388	7603	7208	9093	46%
38 MB 5	881 Geraldine Lane, New York NY 10004	Shanna Hettinger	(412) 570-0596	Small Business	Yes	Yes	No	Yes	Yes	Yes	Yes	1421	1893	2722	4410	5873	43%
39 MB 10	102 Coffer Court, Bronx NY 10463	Holly Gaines	(277) 656-4636	Small Business	Yes	Yes	No	No	No	Yes	No	1530	1650	2027	4485	6002	41%
40 MB 6	7778 Cherry Road, Bronx NY 10467	Ray McGlynn	(594) 807-4187	Small Business	Yes	Yes	Yes	Yes	Yes	Yes	Yes	1341	6105	7777	7891	8758	39%
41 OR 6	429 Stonybrook Dr, Brooklyn NY 11203	Stephen Harris	(258) 948-7479	Online Retailer	Yes	Yes	No	No	No	Yes	Yes	2541	3794	3984	8803	9358	38%

2. A macro to sort the entire spreadsheet by 2021-unit sales in descending order to see which accounts have the highest overall unit sales in 2021

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperHelpTell me what you want to do

CutCopyFormat Painter

Calibri11

Font

Clipboard

Wrap Text

General

\$ % & #

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Cells

Autosum

Fill

Clear

Sort & Filter

Find & Select

Add-ins

Account Sales Data for Analysis for Task 3 - Excel

Harshitha Polamra

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

Account Sales Data for Analysis for Task 3 - Excel

JPNC Excel Skills Virtual Experience Hypothetical Account Dataset

Account NameAccount AddressDivisionMakerPhone NumberAccount TypeProduct LinesMarketing/Promotion ProgramsSales Volume (Units)5 YR CAGR

MB 7323 North Edgewood St, Bronx NY 10457Charlotte Laroux(784) 634-6873Medium BusinessYesYesNoNoNoNo1358244749355476988364%

OR 7640 Beechwood Dr, Bronx NY 10461Juan Scott(357) 532-0838Online RetailerYesYesYesYesYesYesYes7423751442387339910%

WD 618 N. Woodland Ave, New York NY 10025Ray Hernandez(609) 345-8163Wholesale DistributorYesYesYesNoNoNoNo1497176828045718982260%

MB 52285 Leffingwell Drive, New York NY 10013Vin Hudson(952) 952-5573Small BusinessYesYesYesYesYesYesYes1209153416344302976869%

WD 521 Yulien St, Bronx NY 10451Andre Mobley(597) 703-9429Wholesale DistributorYesYesYesNoNoNoNo870242873868835976683%

MB 88735 Square Creek Drive, Brooklyn NY 11214Jaunita Wisok(305) 531-1310Small BusinessYesYesNoNoNoNoNo1581479965829024975958%

WD 132 Rock Maple Ave, New York NY 10029Shameka West(488) 656-0761Wholesale DistributorYesYesYesNoNoNoNo1263251780428222968666%

WD 98388 Gonzales St, Brooklyn NY 11228Danielle Tomas(459) 261-2301Wholesale DistributorYesYesNoNoNoNoNo1357418954076233968163%

OR 129151 River St, Brooklyn NY 11230Shaun Salvatore(691) 657-1498Online RetailerYesYesYesYesYesYesYes1038361537125819958974%

OR 462 Lafayette Ave, Bronx NY 10462Brooke Hayes(247) 999-3394Online RetailerYesYesYesNoNoNoNo1297486649288451958531%

MB 10267 Randall Mill Dr, New York NY 10033Kathy Rogers(909) 738-6471Medium BusinessYesYesNoNoYesYesYes5701322727984439571102%

MB 9861 Gonzales Lane, Bronx NY 10472Mia Ang(253) 861-1301Medium BusinessYesYesNoNoYesYesYes1779212428446877957052%

OR 57839 Elm St, Staten Island NY 10306Lee Niemeyer(920) 451-3973Online RetailerYesYesYesYesYesYesYes1092314041234366948272%

MB 12131 Patterson Road, Brooklyn NY 11201Dorothy Rizzo(860) 283-6803Small BusinessYesYesYesYesYesYesYes861131418106510927181%

WD 765 Lower River Ave, Bronx NY 10465Thomas Stewart(381) 643-1230Wholesale DistributorYesYesNoNoNoNoNo1082335363518550927271%

MB 148154 Lake View Street, New York NY 10025Debra Knoll(628) 832-4986Small BusinessYesYesYesYesYesYesYes861131418106510927181%

MB 3912 Bedford Rd, Bronx NY 10466Christopher Evans(852) 406-6300Medium BusinessYesYesYesYesNoNoNo700372162478495923691%

MB 19848 Linden St, New York NY 10011Dan Hill(911) 406-0790Medium BusinessYesYesNoNoNoNoNo3501707974387443922527%

OR 981 San Carlos Road, Bronx NY 10463Dominique Johnson(336) 448-7026Online RetailerYesYesYesYesYesYesYes4885555577576619206108%

MB 12131 Patterson Road, Brooklyn NY 11201Dorothy Rizzo(860) 283-6803Small BusinessYesYesYesYesYesYesYes1983538158028108920966%

WD 2815 2nd St, New York NY 10028Craig Collins(828) 628-2736Wholesale DistributorYesYesYesNoNoNoNo299657623889229081135%

OR 1481 Crescent St, Brooklyn NY 11210Maria Sawyer(861) 243-5276Online RetailerYesYesYesYesNoNoNo1290403369567929883462%

OR 17778 Cherry Road, Bronx NY 10467Ray McGlynn(594) 807-4187Small BusinessYesYesYesYesYesYesYes1341610577777891875839%

MB 67778 Cherry Road, Bronx NY 10467Ray McGlynn(594) 807-4187Small BusinessYesYesYesNoYesYesYes2341610577777891875839%

OR 27061 Bishop St, Yonkers NY 10701Raymond Heylin(914) 845-1746Online RetailerYesYesYesYesYesYesYes138286675081548656181%

MB 1448 S. Brandwyne St, New York NY 10002Deshawn Fletcher(845) 304-6511Medium BusinessYesYesNoNoNoNoNo712418260877484859986%

58 139575 Shipley Court, Brooklyn NY 11201Tim Young(878) 655-1272Small BusinessYesYesNoYesYesYesYes241787354836688592335%

MB 122402 W. Manhattan St, Bronx NY 10462Mel Berkowitz(917) 547-1542Medium BusinessYesYesYesYesYesYesYes209621309871188433152%

OR 157217 Birch Hill Dr, New York NY 10009Danell Straughter(860) 628-4625Online RetailerYesYesYesYesYesYesYes4316211747880398271109%

MB 66 E Nichols Ave, New York NY 10027Anthony Brooks(348) 801-7566Medium BusinessYesYesNoNoNoNoNo2381255182270748207142%

WD 38875 Franklin Rd, Brooklyn NY 11213Donna Lee(952) 952-5573Wholesale DistributorYesYesNoNoNoNoNo1229496362926728820258%

MB 9402 Bridgeton Lane, Bronx NY 10468Bill Callahan(617) 419-7996Medium BusinessYesYesNoNoNoNoNo732485469251548100223%

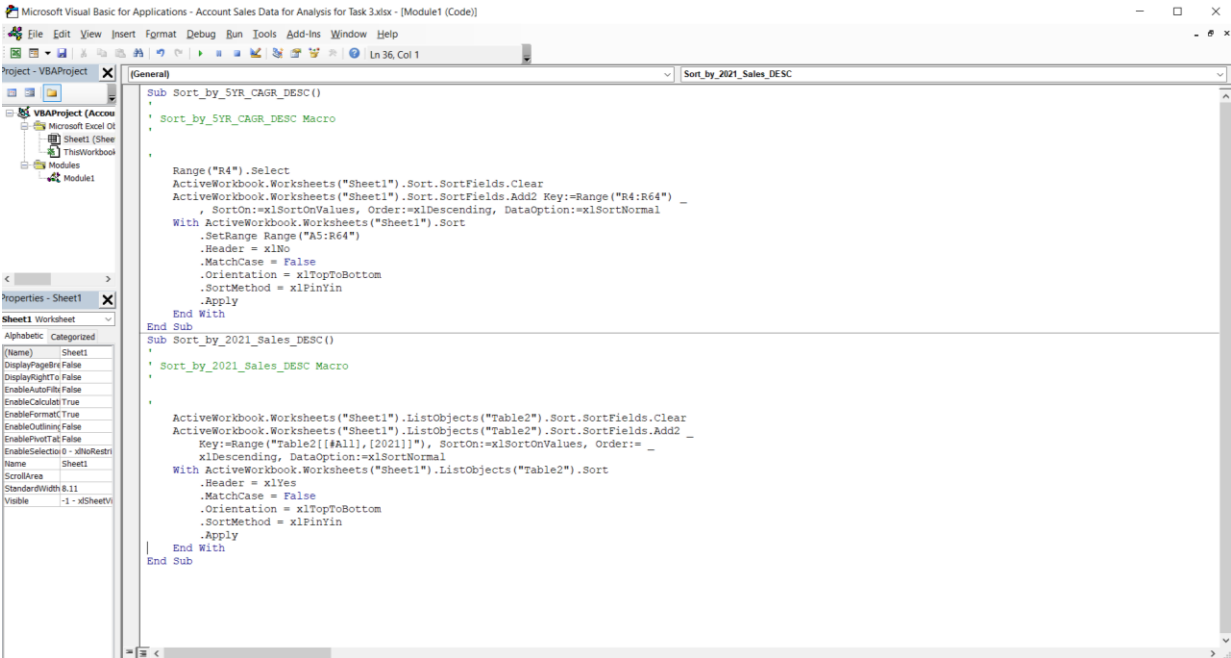
WD 15174 Del Monte St, Brooklyn NY 11214Anna Grey(860) 437-1451Wholesale DistributorYesYesYesYesYesYesYes2485469251548100223%

MB 2805 South Pilgrim Court, Brooklyn NY 11215Javier George(964) 214-3742Medium BusinessYesYesNoNoNoNoNo3916412850725021758818%

OR 1056 Coffee St, Bronx NY 10472LARRY ALANO(242) 869-1226Online RetailerYesYesYesYesYesYesYes3768943736087578112%

MB 21845 Monticourt Lane, New York NY 10013Laurie Moore(712) 416-7920Small BusinessYesYesYesYesYesYesYes1212786759508120920929%

VBA Code



The screenshot displays the Microsoft Visual Basic for Applications editor window. The title bar reads "Microsoft Visual Basic for Applications - Account Sales Data for Analysis for Task 3.xlsx - [Module1 (Code)]". The menu bar includes File, Edit, View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. The toolbar shows various icons for file operations, editing, and running code. The Project Explorer on the left shows a VBAProject (Account Sales Data for Analysis for Task 3.xlsx) with a worksheet named Sheet1. The Properties window for Sheet1 is visible, showing properties like Name, DisplayPageBreak, and EnableAutoFilter. The main code window shows two VBA subroutines: Sort_by_5YR_CAGR_DESC and Sort_by_2021_Sales_DESC. The first subroutine sorts data in Sheet1 by CAGR for the last 5 years in descending order. The second subroutine sorts data in Sheet1 by 2021 sales in descending order.

```
Sub Sort_by_5YR_CAGR_DESC()  
    ' Sort_by_5YR_CAGR_DESC Macro  
    '  
    Range("R4").Select  
    ActiveWorkbook.Worksheets("Sheet1").Sort.SortFields.Clear  
    ActiveWorkbook.Worksheets("Sheet1").Sort.SortFields.Add2 Key:=Range("R4:R64") _  
        , SortOn:=xlSortOnValues, Order:=xlDescending, DataOption:=xlSortNormal  
    With ActiveWorkbook.Worksheets("Sheet1").Sort  
        .SetRange Range("A5:R64")  
        .Header = xlNo  
        .MatchCase = False  
        .Orientation = xlTopToBottom  
        .SortMethod = xlPinYin  
        .Apply  
    End With  
End Sub  
  
Sub Sort_by_2021_Sales_DESC()  
    ' Sort_by_2021_Sales_DESC Macro  
    '  
    ActiveWorkbook.Worksheets("Sheet1").ListObjects("Table2").Sort.SortFields.Clear  
    ActiveWorkbook.Worksheets("Sheet1").ListObjects("Table2").Sort.SortFields.Add2 _  
        Key:=Range("Table2[[#All],[2021]]"), SortOn:=xlSortOnValues, Order:= _  
        xlDescending, DataOption:=xlSortNormal  
    With ActiveWorkbook.Worksheets("Sheet1").ListObjects("Table2").Sort  
        .Header = xlYes  
        .MatchCase = False  
        .Orientation = xlTopToBottom  
        .SortMethod = xlPinYin  
        .Apply  
    End With  
End Sub
```