#COMPARING THE RECOMMENDATION SYSTEM OF LEADING ECOMMERCE WEBSITES AMAZON.BIGBASKET . FLIPKART ON INTEGRATED DATA

IMPORING THE LIBRARIES AND PACKAGES

```
!pip install scrapy
!pip install tabulate
!pip install scrapy\n!pip install tabulate
import os
import logging
import ison
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import scrapy
from scrapy.crawler import CrawlerProcess
from glob import glob
import glob, os
from ipywidgets import widgets
from IPython.display import display, clear output
from tabulate import tabulate
pd.set option('display.max colwidth', None)
import warnings
warnings.filterwarnings('ignore')
CONST USER AGENT = 'Mozilla/4.0 (compatible; MSIE 7.0; Windows NT
5.1)'
CONST PRODUCT = 'Product'
CONST URL = 'Url'
CONST PLATFORM = 'Platform'
CONST MAX PAGE COUNT = 'Max Page Count'
CONST PRODUCT NAME = 'Product Name'
CONST PRODUCT COST = 'Product Cost'
CONST PRODUCT BEVERAGES = 'Beverages'
CONST PRODUCT BEVERAGES TEA = 'Tea'
CONST PRODUCT BEVERAGES COFFEE = 'Coffee'
CONST PRODUCT GROCERRIE\overline{S} = 'Grocery'
CONST PRODUCT MASALA AND SPICES = 'Masala & Spices'
CONST PLATFORM BIGBASKET = 'BigBasket'
CONST PLATFORM AMAZON = 'Amazon'
CONST PLATFORM FLIPKART = 'Flipkart'
CONST DF FORMAT CSV = '.csv'
```

```
CONST DF FORMAT JSON = '.json'
CONST NOT APPLICABLE = 'N/A'
Looking in indexes: https://pypi.org/simple, https://us-
python.pkg.dev/colab-wheels/public/simple/
Collecting scrapy
  Downloading Scrapy-2.7.1-py2.py3-none-any.whl (271 kB)
anylinux_2_24_x86_64.whl (4.1 MB)
ent already satisfied: lxml>=4.3.0 in /usr/local/lib/python3.7/dist-
packages (from scrapy) (4.9.1)
Collecting parsel>=1.5.0
  Downloading parsel-1.7.0-py2.py3-none-any.whl (14 kB)
Collecting tldextract
  Downloading tldextract-3.4.0-py3-none-any.whl (93 kB)
manylinux 2 5 x86 64.manylinux1 x86 64.manylinux 2 12 x86 64.manylinux
2010 x86 64.whl (254 kB)
loaders>=1.0.1
  Downloading itemloaders-1.0.6-py3-none-any.whl (11 kB)
Collecting queuelib>=1.4.2
  Downloading queuelib-1.6.2-py2.py3-none-any.whl (13 kB)
Collecting service-identity>=18.1.0
  Downloading service identity-21.1.0-py2.py3-none-any.whl (12 kB)
Requirement already satisfied: setuptools in
/usr/local/lib/python3.7/dist-packages (from scrapy) (57.4.0)
Requirement already satisfied: packaging in
/usr/local/lib/python3.7/dist-packages (from scrapy) (21.3)
Collecting PyDispatcher>=2.0.5
  Downloading PyDispatcher-2.0.6.tar.gz (38 kB)
Collecting w3lib>=1.17.0
  Downloading w3lib-2.0.1-py3-none-any.whl (20 kB)
Collecting Twisted>=18.9.0
  Downloading Twisted-22.10.0-py3-none-any.whl (3.1 MB)
adapter>=0.1.0
  Downloading itemadapter-0.7.0-py3-none-any.whl (10 kB)
Requirement already satisfied: cffi>=1.12 in
/usr/local/lib/python3.7/dist-packages (from cryptography>=3.3-
>scrapy) (1.15.1)
Requirement already satisfied: pycparser in
/usr/local/lib/python3.7/dist-packages (from cffi>=1.12-
>cryptography>=3.3->scrapy) (2.21)
Collecting jmespath>=0.9.5
  Downloading jmespath-1.0.1-py3-none-any.whl (20 kB)
Requirement already satisfied: six in /usr/local/lib/python3.7/dist-
packages (from protego>=0.1.15->scrapy) (1.15.0)
Requirement already satisfied: pyasn1 in
/usr/local/lib/python3.7/dist-packages (from service-identity>=18.1.0-
>scrapy) (0.4.8)
Requirement already satisfied: attrs>=19.1.0 in
```

```
/usr/local/lib/python3.7/dist-packages (from service-identity>=18.1.0-
>scrapy) (22.1.0)
Requirement already satisfied: pyasn1-modules in
/usr/local/lib/python3.7/dist-packages (from service-identity>=18.1.0-
>scrapy) (0.2.8)
Requirement already satisfied: typing-extensions>=3.6.5 in
/usr/local/lib/python3.7/dist-packages (from Twisted>=18.9.0->scrapy)
(4.1.1)
Collecting hyperlink>=17.1.1
  Downloading hyperlink-21.0.0-py2.py3-none-any.whl (74 kB)
at >= 0.8.0
  Downloading Automat-22.10.0-py2.py3-none-any.whl (26 kB)
Collecting constantly>=15.1
  Downloading constantly-15.1.0-py2.py3-none-any.whl (7.9 kB)
Collecting incremental>=21.3.0
  Downloading incremental-22.10.0-py2.py3-none-any.whl (16 kB)
Requirement already satisfied: idna>=2.5 in
/usr/local/lib/python3.7/dist-packages (from hyperlink>=17.1.1-
>Twisted>=18.9.0->scrapy) (2.10)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in
/usr/local/lib/python3.7/dist-packages (from packaging->scrapy)
(3.0.9)
Requirement already satisfied: requests>=2.1.0 in
/usr/local/lib/python3.7/dist-packages (from tldextract->scrapy)
(2.23.0)
Requirement already satisfied: filelock>=3.0.8 in
/usr/local/lib/python3.7/dist-packages (from tldextract->scrapy)
(3.8.0)
Collecting reguests-file>=1.4
  Downloading requests file-1.5.1-py2.py3-none-any.whl (3.7 kB)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1
in /usr/local/lib/python3.7/dist-packages (from requests>=2.1.0-
>tldextract->scrapy) (1.24.3)
Requirement already satisfied: certifi>=2017.4.17 in
/usr/local/lib/python3.7/dist-packages (from requests>=2.1.0-
>tldextract->scrapy) (2022.9.24)
Requirement already satisfied: chardet<4,>=3.0.2 in
/usr/local/lib/python3.7/dist-packages (from requests>=2.1.0-
>tldextract->scrapy) (3.0.4)
Building wheels for collected packages: PyDispatcher
  Building wheel for PyDispatcher (setup.py) ... e=PyDispatcher-2.0.6-
py3-none-any.whl size=11958
sha256=7be5fc5e0e21ec9c6d86068f26a8016faaf05a665c8ad3cf42c99d12595512e
  Stored in directory:
/root/.cache/pip/wheels/c9/d6/6a/de198d890277cde60ca3dbebe7ae592d3b381
c7d9bb2455f4d
Successfully built PyDispatcher
Installing collected packages: w3lib, cssselect, zope.interface,
requests-file, parsel, jmespath, itemadapter, incremental, hyperlink,
```

```
cryptography, constantly, Automat, Twisted, tldextract, service-
identity, queuelib, pyOpenSSL, PyDispatcher, protego, itemloaders,
scrapy
Successfully installed Automat-22.10.0 PyDispatcher-2.0.6 Twisted-
22.10.0 constantly-15.1.0 cryptography-38.0.3 cssselect-1.2.0
hyperlink-21.0.0 incremental-22.10.0 itemadapter-0.7.0 itemloaders-
1.0.6 imespath-1.0.1 parsel-1.7.0 protego-0.2.1 pyOpenSSL-22.1.0
queuelib-1.6.2 requests-file-1.5.1 scrapy-2.7.1 service-identity-
21.1.0 tldextract-3.4.0 w3lib-2.0.1 zope.interface-5.5.0
Looking in indexes: https://pypi.org/simple, https://us-
python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: tabulate in
/usr/local/lib/python3.7/dist-packages (0.8.10)
ERROR: Invalid requirement: 'scrapyn!pip'
PREPROCESSING AMAZON DATASET
df amazon = pd.read csv("/content/drive/MyDrive/product.csv")
df amazon.head()
   Unnamed: 0
                             avg.rating
                                         avg.helpful.ratio
                      asin
                                   2.50
0
            1
                7806397051
                                                         NaN
            2
                                   3.09
1
               9759091062
                                                         NaN
2
            3
               9788072216
                                   5.00
                                                         NaN
3
            4
               9790790961
                                   4.60
                                                         NaN
4
               9790794231
                                   4.50
                                                         NaN
also bought
                                 ['B00KR26VFE',
                                                'B00E7LQHZ0',
                                                            'B008B2Z94Q'
'B00BMW24TU'
               'B00K67AQN8'
                              'B008G0R600',
                                              BOOKVBZAXK',
                              'B00HWR10Z4'
                                                            'B00IHQKRCA'
'B00IIFVJZ4'
               'B00FYUX3Z0'
                                              B00EYZR3E8'
                                             'B009WJCEMM'
                                                            'B00ID5PRQQ'
'B00KS4FDL0'
               'B00GBTX1G0'
                              'B00FYV0G1Y'
'B00IIG7UQ0'
               'B0068Y0EXK'
                              'B00JFLRCOW'
                                             'B009NAE91E'
                                                            'B00B4YVU4G
'B00K48JDWY'
               'B006HCJXBM'
                              'B009VXY05S'
                                             'B00I9900N8'
                                                            'B009WI3RZQ
'B00IJ3LG94'
               'B0067F8BBM'
                              'B002TPQPEE'
                                             'B00IBVE79K'
                                                            'B00K05ZR08
'B00K407V00'
               'B00GMDIKV0'
                              'B00KWSC0Z0'
                                             'B00EL1HZ34'
                                                            'B00HKA110G'
'B00KL53KGA'
               'B00B8P5CTA'
                              'B00EYYW2HW'
                                             'B00IKBGQAE'
                                                            'B00KHKXPHS'
'B00HPS4664'
               'B00I9ZCV6E'
                              'B00E0FEKF8'
                                             'B00F16KHLA'
                                                            'B00L0R8KK4'
               'B00942W51C
                              'B00KX0LTD0'
                                             'B00DAYGJVW'
                                                            'B004X1QY20'
'B00G8F2RNE'
'B00BLDA3J8'
               'B00HL9BG9C'
                              'B00GLM2FA0'
                                              B00JEGCI6U'
                                                            'B00K7P74G0'
'B004W5RCNM'
               'B00JK99BNE
                              'B005TKZS76'
                                             'B00E57MCMS'
                                                            'B001TK1I4M'
'B00CQ1DKZS'
               'B00F0RNVG0'
                              'B00GQU5YY0'
                                             'B00GZIHP3G'
                                                            'B00BX7DGIC'
'B004GNMP0U'
               'B00D02IL0Y'
                              'B00IZZ7RT0'
                                             'B00CBT0TYU'
                                                            'B008N0JA5E
'B0092LDWVW'
               'B00HQ8MA70'
                              'B003QAPTAW'
                                             'B004M7WKKK'
                                                            'B00H1SW3RC
'B008FX7B9M'
               'B0061KQEVW'
                              'B00IIF0EIS'
                                             ' B006GTKSHY '
                                                            'B00D8U570W'
               'B00IZ6KIE4',
'B00IQK5K4C'
                              'B00F0RNYMU',
                                             'B00LAYIFD4'
                                                            'B00AC0FN0Q'
'B00BZ4QDW4'
               'B005C8MMP0'
                              '1111306923'
                                             'B006Z5K3FG'
                                                            'B0054SIB1S'
                              'B00CZ4W8UE',
'B002UBVZYC'
               'B00J921XM4',
                                             'B00EU89CKC',
                                                            'B00J3IFAA0',
'B00503000M'1
1
```

```
'B006VD0PPQ'
['B0054GLD1U'
                'B003BRZCUC'
                                'B0054GBX0W'
                                                               'B005R3IPJI',
'B003BRZ7B6'
                B0074SE5CA'
                               'B000X5LUYC'
                                               B009H0U1TU'
                                                              'B000V0EQXA'
'B009SIEQ78'
                'B002TNIN2S
                               'B0074RLEZC
                                              'B007CMS5C4'
                                                              'B0071H5C76
'B007M8TB08'
                'B0072CVZ0S
                               'B002SKMNG0'
                                               B006ZYZ8S4'
                                                              'B006V6T1X4
'B00DJWN0FI'
                'B00CZ9RDG8'
                               'B0000V3ZD0'
                                               B00H04Z0BI'
                                                              'B0089MU00S
                                                              'B005JNKXF0
'B003BS4CUC
                'B00BKFN0I2
                               'B000V0EUK4'
                                               B006ZBP8NM'
'B002W23N02'
                'B00J7RIXEM'
                               'B005IJTKFY'
                                               B00886V412'
                                                              'B0071H6ZD6
'B005GMY88W'
                'B004RANK50
                               'B009JJA49U'
                                               B0071H640U
                                                              'B002UFJ66M
'B0093HPZ2E'
                'B000MQ6X8A
                               'B002W01P82
                                               B004N56WWI
                                                              'B0089PZZKS
                               'B003Y5VLX8
'B005IJQAIE'
                'B00HXTD60W
                                               B00CVDTMI0'
                                                              'B007R4ZJ8A
'B000VXVEGK
                'B00002P3RE
                               'B0011SUGFE'
                                               'B00FM7PGT0'
                                                              'B00176YZUM
'B00DH10150'
                'B00BTCZJW2'
                               'B008G0R600'
                                              'B005JECMQM'
                                                              'B000W3WP1W'
'B00CE2JC9W'
                B004TSFBNK
                               'B0053L2E10'
                                              'B00CPQHKYG
                                                              'B003C0AFP0
'B005GMYPMG'
                'B00130ULOM'
                               'B00GZ0WFQG'
                                              'B004H7GB9G
                                                              'B000MIR7TM
'B002EP90UG'
                'B00K2T5RZ2
                               'B00F12F500
                                               B00B786720'
                                                              'B00447F1YK'
'B00174LGSI'
                'B008R7BT5S
                               'B0060G4IW0'
                                               B00JH74XPA'
                                                              'B00J20ES34'
'B00BUU7KVG'
                'B003CU26SY'
                               'B003GLR1E8'
                                              'B00D3KXYS4'
                                                              'B0050ZC2MU'
'B00K0RKB2K'
                'B002BS43HU'
                               'B006NMY0MS'
                                              'B003CTTZQQ',
                                                              'B004TSFE28',
'B000GD5LY6',
                'B002QFGKUQ',
                               'B008BJ5GM0']
['B006C50HSI', 'B006P14842',
                                'B0072CSVB4', 'B00CG0UL2A', '9788072208']
   ['B007P70PQQ', 'B0017JT658', 'B0084HM1DA', 'B000MX5NVQ',
'B000AQF50Y'
                'B0013FPN1W'
                               B00AH5I0GA'
                                               B0072CTK5K1
                                                              B000XE5260'
'B00KSLJ5WA'
                                                              'B0072CS07A'
                'B0079VZFSA'
                               'B0072CVBZC'
                                               B001RCIPMU'
'B0017LQNQ6'
                'B00JUCIN40'
                               'B000HZPKTY
                                              'B007VXH2DM'
                                                              'B004VUBNQU'
'B009NP0Y14'
                B00CG0UL2A
                               B00KCX9BK0
                                               'B0072CQU2G
                                                              'B00KJ0Q34S
'B0022V2PKI'
                'B004B2J8UG
                               'B0072CYS9I'
                                               B001362KHQ'
                                                              'B001JQ6072
                                                              'B000V0L914
'B000V0HKK8'
                'B0079VYY3M
                               'B0072CWP30'
                                               B0049CXC8W'
'B000KRZD40'
               'B0072CUD8I'
                               'B002CT01M4'
                                              'B009RA8HJ0'
                                                              'B00BZB070I
'B0009N36NG
                'B0091XL4B6
                               'B00152SA1S
                                              'B002Z7FVT0'
                                                              'B00L290S28
                               'B000230RCK
'B000UICT6U'
                'B002LZ0IPY
                                               'B00456E6N2
                                                              'B002LKZ1JW
'B0009N33Z2'
                'B000E7UFM2'
                               'B00IPZE0XU'
                                               'B0079W3WIE'
                                                              'B000C1ZDTU'
'B000C2YXVI
                'B00KC9770G
                               'B000E7WHLY
                                               B0072CXVT0
                                                              'B005M2AQRI
'B0072CWRAA'
                'B000FCTITM'
                               'B0079W1SDA'
                                              'B000E7UFS6'
                                                              'B000C235XK
'B002LL4U08
                'B002LZ0I2W'
                               'B0079VS8M0
                                              'B0009N35D2
                                                              'B0009N5EZ0
                'B00FY3T3TM'
                                              'B0079W0FW0'
'B00EZ1RXGY
                               'B0072CY7J4
                                                              'B00490P9VS
'B00161IKD6
                'B003VX1KF2
                               'B0072CTS2K'
                                               B0079VXYZG
                                                              'B0007XGBVC
'B004P0UUBK'
                B0079VTWBG
                               'B002LL308U'
                                               B0072CWDVI'
                                                              'B0072CVHE2
                               'B003XLX046'
'B000V0PG0E'
                                              'B000JL7Z5S'
                'B000XE87IA'
                                                              'B004564IZI
'B00DAUY0X4'
                ' B0009N34GU '
                               'B0072C0JBS
                                               B00EYBI67U'
                                                              'B0079FW5WA
'B0079VTHJ8'
                               'B00HUA0E2S',
                                               B0000P7LTY',
                'B008HLP3WY',
                                                              'B00F14IKQQ',
'B00CXCCI8A'1
4
['B0019M210Q',
                                'B0006V31FY', 'B0079W1VJQ',
                'B000E7YM8K',
                                                               'B00CITNW92',
'B008D5JK90',
               'B007P7R30W'1
also viewed
                                                  ['B008G0R600',
```

```
'B00E0FEKF8'
               'B00IIFVJZ4'
                               'B009C7RZNC'
                                              'B00K05ZR08'
                                                              'B009NAE9A0'
'B00A66T112'
                                                              'B004M7WKKK'
               'B00C8R39TM'
                               'B009VYF0MY'
                                              'B00K0683R6'
'B00K06830E
               'B008MU8TL2
                               'B00HKA110G'
                                              'B00K0683PS'
                                                              'B00BMW24TU
'B0061K0EVW'
               B00E7L0HZ0
                               B00KR26VFE
                                              'B00IHR9EVE'
                                                              'B00IH0KRCA
'B00GWDKRG6'
               'B00DFQ0IJA
                               'B00GWDZBHQ
                                               B002QFGQAK'
                                                              'B007RKC27U
'B00JE46HM8'
               'B00IIG7U00
                               'B009NAE91E
                                               B008D5JRL2
                                                              'B00IHR9EV4
                               'B009WJCEMM'
                                               B004I3LU7C'
'B00CZ49RSK'
               'B00J3HHJUA'
                                                              'B00LE9YL0G'
'B00EYZR3E8
                               'B00L54D9NU'
                                              'B00GBTX1G0'
               'B00FQ80L6U
                                                              'B00I9GTBD4'
'B00IVHDGMS
               'B009P732GI
                               'B008B2Z94Q'
                                              'B004U02GMW'
                                                              'B00KH0F6V2'
                               'B00AU05YVU'
'B008D5D9NY'
               'B00IHQQGKM'
                                               B00HWR10Z4',
                                                              'B00K67AQN8',
'B0020FGKU0'
               'B0067F8BBM',
                               'B00FYV0G1Y']
1
['B0054GBX0W'
                'B0054GLD1U'
                                'B006VD0PPQ'
                                               'B003BRZCUC'
                                                               'B009H0U1TU'
                                                              'B002SKMNG0'
'B00GAXR43M'
               'B0074RLEZC'
                               'B003BRZ7B6
                                               B002TNIN2S'
'B0072CVZ0S'
               'B006Q4JNCU'
                               'B000VQEQXA'
                                               B00H04Z0BI
                                                              'B00DJWN0FI
'B003BS4CUC
               B002T0LEMS
                               'B0074SE5CA'
                                               B007R4ZJ8A
                                                              'B000TBV09G
'B000NB3V0S'
               'B005R3IPJI'
                               'B00BTCZJW2'
                                              'B000X5LUYC'
                                                              'B005IJTKFY
'B006ZYZ8S4'
               'B008I7GTWA
                               'B005DXHDXG
                                              'B001T80ZGC
                                                              'B00DKB2CYI
'B008BJ5GM0'
               'B005EM6NYQ
                               'B000VQEUK4
                                               B000XQ0850
                                                              'B00KLGFH1A
                               'B006ZBP8NM'
                                                              'B0002Z8UZ0
'B008HCTX3S
               'B0071H5C76
                                              'B00J8WR3B0'
'B006V6T1X4'
                               'B00F12F5QQ',
               'B006ZYU5YQ'
                                              'B007T03BFQ'
                                                              'B0009R1526'
'B009FGHKNA'
               'B00BKFNQI2'
                               'B0000V3ZD0',
                                              'B007M8TB08'
                                                              'B001E919LU',
'B0072CUBR0'
               'B0054GG4AA'1
                                  ['B0072CSVB4', 'B005YWB0HW',
'B00CG0UL2A'
               'B00GIWPK2W'
                               ' 9788072208 '
                                               9788072305 '
                                                              'B00C8RZP6C'
               'B00HPYVCM4'
'B00B1YH7PA'
                               'B008AZ0E80'
                                               B00GFE0VX6'
                                                              'B0079W1YUW
'B0079VUA5S'
               'B0040C8H00'
                               'B00B9KT9FW'
                                              'B00KTB1ZF4'
                                                              'B00KSL75E0
'B002X01SQ4'
               'B003HUP0H8
                               'B008KS9VBS
                                              'B006C50HSI'
                                                              'B00727PMYS
'B00BUUCRG0'
               'B00CMR3A6A
                               'B00DST09YM'
                                               B00KB93G06
                                                              'B00D8H2FNW
'B005S0S5X0'
               '9788071198'
                               'B00KSLWAGI
                                              'B00CM0ZCE4'
                                                              'B004564IZI
'B007010DRM'
               'B00CLYHF9W'
                               'B001J06072'
                                              'B0072CY0AG
                                                              'B00L24H15A
'B00H00AT5E
                               'B00090AIIG
                                              'B006P14842
               'B008RTY0K8
                                                              'B0079VWZ3S
'B000JL7Z5S'
               'B00JUCIN40'
                               'B007ZML100'
                                              'B000P43JX0'
                                                              'B0079W22QM'
'B0079VYMDY
               B0072CUKQS
                               'B00L6XS1II
                                              'B000U66I0A'
                                                              'B0079VZFSA',
'B00E9EU1LG'
               'B000CNTT9I'
                               'B000C1Z3LS'1
   ['B005M2AQRI',
                   'B000V0HKK8',
                                   'B0017JT658',
                                                  'B000KS1A7Y',
'B000XE49G0'
               'B0022UW72U'
                               'B00JX43PZ6'
                                               B000IEQQCE'
                                                              'B000XE906S'
'B00002T3DY'
               ' B000U83UAY '
                               'B00502JMIY
                                               B00AH5I0GA'
                                                              'B00FYVJ8FI'
               'B007P70PQQ
                                                              'B007TTFT1A
'B00GZP041Y'
                               'B0072CYRKI
                                               B00GZP076Q
'B0079VZFSA'
               'B002GZVV96'
                               'B000KRZD4Q'
                                               B00EN6BR7W'
                                                              'B005YEMNJI
'B0040N72CG
               '9790791976
                               'B000MX5NVQ
                                              'B0072CUKQS
                                                              'B0072CTK5K
'B004VUBNQU'
               'B0084HM1DA
                               'B000A0F50Y
                                              'B000U66I0A'
                                                              'B000XE5260
'B001J06072
               'B0013FPN1W
                               'B00BPZ1UJE
                                              'B0057ZFWA6'
                                                              'B0079VYMDY
'B000RPPR42
               'B0079VS8M0'
                               'B0072CYS9I
                                              'B0072CS07A'
                                                              'B00GXEVG9G
'B004RB6J3U'
               'B001FWXMIY'
                               'B000C1ZDTU'
                                              'B0040HDATC'
                                                              'B001B10BF6'
'B00161IKD6
               'B0017L0N06
                               'B00E9RG0Y0'
                                              'B0079VXYZG'
                                                              'B003AXJNGQ',
'B008HLP3WY'
               'B00KJ0034S',
                               'B0079W3WIE']
               'B0019M210Q',
['B000E7YM8K',
                                'B0006V31FY', 'B0072CU2PM', 'B000BIDC0Q',
'B000GHWPI2',
               'B007P7R30W'.
                               'B001366JMI', 'B005FGHPM0', 'B00GII2H8Q',
```

```
'B002JISTS6', 'B001D1IS0K',
                             'B0079VVTAS',
                                           'B0072CTQHW',
                                                          'B007510WQS',
                             'B000JC51IU',
'B003BMERYY',
              'B004C7SNBU',
                                           'B007VTRDBW',
                                                          'B004V4570K'
              'B000ZKHV7A',
                             'B0072CU6V2',
                                           'B0072CX2L8',
'B002LZ2I9S',
                                                          'B000Q1HX62',
'B0009N103E', 'B00B0JZE5M', 'B000AQF50Y', 'B008HLP3WY',
                                           'B0072CVWRE', 'B0079W1VJ0',
                             'B0079VS8M0',
                             'B00CPDJHU4'1
          brand \
0
           COKA
1
  Xtreme Brite
2
          Prada
3
        Versace
4
categories \
               [['Beauty', 'Makeup', 'Face', 'Concealers &
Neutralizers']]
   [['Beauty', 'Hair Care', 'Styling Products', 'Creams, Gels &
Lotions']]
                     [['Beauty', 'Fragrance', "Women's", 'Eau de
Parfum'll
                   [['Beauty', 'Fragrance', "Women's", 'Eau de
Toilette']]
                      [['Beauty', 'Fragrance', "Women's", 'Eau de
Parfum']]
description \
O An extensive range of 15 multiple vibrant long wear concealer
colour with different skin tones to create more than 10,000 amazing
looks. Using the most commonly applied shades, ensures the best skin
colour match and quarantees a traceless and natural finish. Enabling
layering and mixing, provides total camouflage for almost any skin
problem including blemishes, scars, birthmarks and black circles. It
is also suitable to use as bronzer. The light colour is suitable for
redness, acne and so on. The medium colour is perfect for dark shadows
in the under-eye area. The dark colour provides exceptional camouflage
and adheres well to the skin. Silky glossy colour and high quality
ingredients together to care skin around and can last for all day
long. It is perfect for Professional Salon, Wedding, Party and Home
use. Size: 15.4 x 10.2 x 1.3cm. Each Diameter: 2.6cm. Concealer: 15
Color Concealer.
Xtreme Brite Brightening gel is a highly concentrated gel that helps
to obtain a clearer and brighter complexion. It helps remove
blackheads and cosmetic acne.
Prada Candy By Prada Eau De Parfum Spray 1.7 Oz For Women : Prada
Candy launched in 2011 has taken all vivacious young feminine hearts
in its grasp. The caramela, musky, and balmy accords are irresistible
```

```
for the graceful or the vivacious. A creation by the perfumer Daniela
Andrier, it enlivens the young heart of the applicant and tantalizes
the smeller. It is a companion of the flirtatious and the sensuous.
The musky notes dominate over the top followed by the chypre benzoin.
The gourmand caramel is a surprise at the base when you start feeling
that you know the Prada trick. The exquisite flacon with embossed
brand name and attractive stopper gives a start to the temptation.
Versace Bright Crystal Perfume for Women 3 oz Eau De Toilette Spray
Inspired by a mixture of Donatella Versace's favorite floral
fragrances, Bright Crystal is a fresh, sensual blend of refreshing
chilled yuzu and pomegranate mingled with soothing blossoms of peony,
magnolia, and lotus flower, warmed with notes of musk and amber.
Notes: Iced Accord, Yuzu, Pomegranate, Peony, Magnolia, Lotus Flower,
Acajou, Vegetal Amber, Musk. Style: Sheer. Sensual. Luminous.
Recommend Use: Day, Evening, Night
STELLA For Women By STELLA MCCARTNEY 1.7 oz EDP Spray
                   salesRank \
   price
           {'Beauty': 10486}
   5.04
           {'Beauty': 52254}
  19.99
           {'Beauty': 78916}
  65.86
             {'Beauty': 764}
3
   52.33
4
     NaN
          {'Beauty': 142503}
title
0 WAWO 15 Color Professionl Makeup Eyeshadow Camouflage Facial
Concealer Neutral Palette
                                                        Xtreme Brite
Brightening Gel 1oz.
                                Prada Candy By Prada Eau De Parfum
Spray 1.7 Oz For Women
                          Versace Bright Crystal Eau de Toilette Spray
for Women, 3 Ounce
Stella McCartney Stella
df amazon['avg.rating'].unique()
array([2.5, 3.09, 5., 4.6, 4.5, 4.29, 4.09, 4., 4.4, 3.33,
3.67,
       3.8 , 2. , 4.75, 3. , 4.57, 4.55, 4.22, 4.8 , 4.83, 4.33, 3.4
       3.5 , 3.94, 3.63, 4.64, 4.62, 4.08, 4.63, 4.2 , 4.25, 4.67,
3.98,
       2.25, 4.65, 4.19, 3.55, 3.54, 3.88, 3.96, 4.04, 4.17, 4.12,
3.75,
       3.92, 3.95, 4.32, 3.93, 2.67, 3.83, 4.38, 3.56, 3.6, 4.18, 1.
```

```
3.81, 3.91, 4.23, 4.21, 4.86, 4.3, 4.41, 3.25, 2.75, 4.35,
4.42,
       4.06, 3.86, 3.71, 4.71, 4.44, 4.36, 4.56, 3.57, 3.62, 3.2,
4.43,
       3.45, 2.83, 1.5, 1.67, 4.54, 4.7, 4.9, 3.7, 3.89, 4.15,
4.27,
      4.39, 3.38, 3.14, 3.3, 4.82, 3.73, 4.26, 3.29, 4.14, 4.95,
4.11,
       3.43, 2.33, 2.38, 3.79, 3.78, 3.69, 3.82, 3.27, 3.85, 4.73,
3.87,
      4.53, 4.69, 2.8, 4.47, 3.12, 3.76, 4.79, 4.91, 4.46, 3.9,
4.77,
       4.1 , 4.24, 4.74, 4.37, 3.36, 4.78, 3.42, 4.92, 4.07, 4.59,
2.56,
      4.58, 2.6, 4.13, 3.77, 4.31, 3.53, 3.58, 4.51, 2.4, 4.61,
4.88,
      4.45, 3.74, 4.16, 3.46, 3.18, 3.17, 4.34, 3.64, 4.05, 2.86,
4.93,
      4.68, 4.72, 3.65, 4.48, 4.02, 3.11, 2.71, 2.2, 4.89, 4.81,
4.28,
       3.99, 3.22, 1.33, 4.87, 3.21, 3.06, 2.57, 2.88, 2.9, 3.1,
2.92,
       3.26, 3.48, 3.59, 4.01, 3.47, 3.72, 4.52, 4.85, 4.84, 1.75,
3.97,
       3.66, 4.03, 3.35, 4.66, 4.76, 2.91, 1.86, 3.41, 3.61, 3.84,
3.19,
       3.44, 1.83, 1.25, 1.6, 2.89, 3.16, 2.73, 3.68, 3.04, 4.49,
3.23,
       3.51, 2.24, 3.39, 3.13, 4.97, 3.52, 4.96, 2.79, 4.94, 2.47,
4.98])
df amazon.drop(df amazon[df amazon['price'] == ''].index, inplace =
True)
df_amazon.dtypes
```

Hanamad. O	÷ ~ + C 1
Unnamed: 0	int64
asin	object
avg.rating	float64
avg.helpful.ratio	float64
also_bought	object
also_viewed	object
brand	object
categories	object
description	object
price	float64
salesRank	object
title	object
dtype: object	

```
df amazon['avg.rating'].unique()
array([2.5 , 3.09, 5. , 4.6 , 4.5 , 4.29, 4.09, 4. , 4.4 , 3.33,
3.67,
       3.8 , 2. , 4.75 , 3. , 4.57 , 4.55 , 4.22 , 4.8 , 4.83 , 4.33 , 3.4
       3.5 , 3.94, 3.63, 4.64, 4.62, 4.08, 4.63, 4.2 , 4.25, 4.67,
3.98,
       2.25, 4.65, 4.19, 3.55, 3.54, 3.88, 3.96, 4.04, 4.17, 4.12,
3.75,
       3.92, 3.95, 4.32, 3.93, 2.67, 3.83, 4.38, 3.56, 3.6, 4.18, 1.
       3.81, 3.91, 4.23, 4.21, 4.86, 4.3, 4.41, 3.25, 2.75, 4.35,
4.42,
       4.06, 3.86, 3.71, 4.71, 4.44, 4.36, 4.56, 3.57, 3.62, 3.2,
4.43,
      3.45, 2.83, 1.5, 1.67, 4.54, 4.7, 4.9, 3.7, 3.89, 4.15,
4.27,
      4.39, 3.38, 3.14, 3.3, 4.82, 3.73, 4.26, 3.29, 4.14, 4.95,
4.11,
       3.43, 2.33, 2.38, 3.79, 3.78, 3.69, 3.82, 3.27, 3.85, 4.73,
3.87,
      4.53, 4.69, 2.8, 4.47, 3.12, 3.76, 4.79, 4.91, 4.46, 3.9,
4.77,
      4.1 , 4.24, 4.74, 4.37, 3.36, 4.78, 3.42, 4.92, 4.07, 4.59,
2.56,
      4.58, 2.6, 4.13, 3.77, 4.31, 3.53, 3.58, 4.51, 2.4, 4.61,
4.88,
      4.45, 3.74, 4.16, 3.46, 3.18, 3.17, 4.34, 3.64, 4.05, 2.86,
4.93,
      4.68, 4.72, 3.65, 4.48, 4.02, 3.11, 2.71, 2.2, 4.89, 4.81,
4.28,
      3.99, 3.22, 1.33, 4.87, 3.21, 3.06, 2.57, 2.88, 2.9, 3.1,
2.92,
       3.26, 3.48, 3.59, 4.01, 3.47, 3.72, 4.52, 4.85, 4.84, 1.75,
3.97,
      3.66, 4.03, 3.35, 4.66, 4.76, 2.91, 1.86, 3.41, 3.61, 3.84,
3.19,
       3.44, 1.83, 1.25, 1.6, 2.89, 3.16, 2.73, 3.68, 3.04, 4.49,
3.23,
       3.51, 2.24, 3.39, 3.13, 4.97, 3.52, 4.96, 2.79, 4.94, 2.47,
4.981)
df amazon[['avg.rating', 'price']] = df amazon[['avg.rating',
'price']].astype(np.float)
df_amazon['SpecialPrice'] = df_amazon['price']
df amazon['IsAvailable'] = True
df amazon['Platform'] = CONST PLATFORM AMAZON
df amazon.columns
```

```
Index(['Unnamed: 0', 'asin', 'avg.rating', 'avg.helpful.ratio',
'also bought',
        'also_viewed', 'brand', 'categories', 'description', 'price',
        'salesRank', 'title', 'SpecialPrice',
                                                 'IsAvailable'.
'Platform'],
      dtype='object')
df amazon.head()
   Unnamed: 0
                       asin
                             avg.rating
                                          avg.helpful.ratio
                                    2.50
0
             1
                7806397051
                                                          NaN
1
             2
                9759091062
                                    3.09
                                                          NaN
2
             3
                9788072216
                                    5.00
                                                          NaN
3
             4
                9790790961
                                    4.60
                                                          NaN
4
             5
                9790794231
                                    4.50
                                                          NaN
also bought
                                  ['B00KR26VFE', 'B00E7LQHZ0',
'B00BMW24TU'
                               'B008G0R600',
                                               B00KVBZAXK'
                                                              'B008B2Z94Q',
               'B00K67AQN8',
'B00IIFVJZ4'
               B00FYUX3Z0
                               'B00HWR10Z4'
                                               B00EYZR3E8'
                                                              'B00IH0KRCA
'B00KS4FDL0'
               'B00GBTX1G0'
                               'B00FYV0G1Y'
                                              'B009WJCEMM'
                                                              'B00ID5PRQQ'
'B00IIG7UQ0'
               'B0068Y0EXK'
                               'B00JFLRCOW'
                                              'B009NAE91E'
                                                              'B00B4YVU4G
                                              'B00I9900N8'
'B00K48JDWY'
               'B006HCJXBM
                               'B009VXY05S
                                                              'B009WI3RZ0
'B00IJ3LG94'
               'B0067F8BBM'
                               'B002TP0PEE'
                                              'B00IBVE79K'
                                                              'B00K05ZR08
'B00K407V00'
               'B00GMDIKV0
                               'B00KWSC0Z0'
                                               B00EL1HZ34'
                                                              'B00HKA110G
'B00KL53KGA'
               'B00B8P5CTA'
                               'B00EYYW2HW'
                                               B00IKBGQAE'
                                                              'B00KHKXPHS
'B00HPS4664'
               'B00I9ZCV6E
                               'B00E0FEKF8'
                                              'B00F16KHLA'
                                                              'B00L0R8KK4
'B00G8F2RNE'
               'B00942W51C
                               B00KX0LTD0
                                              'B00DAYGJVW'
                                                              'B004X1QY20
'B00BLDA3J8'
               'B00HL9BG9C
                               'B00GLM2FA0'
                                              'B00JEGCI6U'
                                                              'B00K7P74G0
'B004W5RCNM'
               'B00JK99BNE
                               'B005TKZS76'
                                                              'B001TK1I4M'
                                               B00E57MCMS
'B00C01DKZS'
               'B00F0RNVG0'
                               'B00G0U5YY0'
                                              'B00GZIHP3G'
                                                              'B00BX7DGIC
'B004GNMP0U'
               'B00D02ILQY
                               'B00IZZ7RT0'
                                              'B00CBT0TYU
                                                              'B008N0JA5E
'B0092LDWVW'
               'B00H08MA70'
                               'B0030APTAW'
                                              'B004M7WKKK'
                                                              'B00H1SW3RC
'B008FX7B9M'
               'B0061KQEVW'
                               'B00IIF0EIS'
                                              'B006GTKSHY
                                                              'B00D8U570W'
'B00IQK5K4C
               'B00IZ6KIE4'
                               'B00F0RNYMU'
                                              'B00LAYIFD4'
                                                              'B00AC0FN0Q'
'B00BZ40DW4'
               'B005C8MMP0'
                               '1111306923'
                                              'B006Z5K3FG'
                                                              'B0054SIB1S'
'B002UBVZYC'
               'B00J921XM4',
                               'B00CZ4W8UE',
                                              'B00EU89CKC',
                                                              'B00J3IFAA0',
'B005030Q0M']
1
['B0054GLD1U'
                'B003BRZCUC',
                                'B0054GBX0W'
                                               'B006VD0PPQ'
                                                               'B005R3IPJI',
'B003BRZ7B6'
               'B0074SE5CA'
                               'B000X5LUYC'
                                               B009H0U1TU'
                                                              'B000VQEQXA'
'B009SIE078'
               'B002TNIN2S
                               'B0074RLEZC
                                              'B007CMS5C4'
                                                              'B0071H5C76'
'B007M8TB08'
               'B0072CVZ0S'
                               'B002SKMNG0'
                                               B006ZYZ8S4'
                                                              'B006V6T1X4'
                               'B0000V3ZD0'
                                                              'B0089MU00S
'B00DJWN0FI'
                B00H04Z0BI
                                                              'B005JNKXF0'
'B003BS4CUC'
               'B00BKFNQI2'
                               'B000V0EUK4'
                                              'B006ZBP8NM'
'B002W23N02
                               'B005IJTKFY
                                              'B00886V412
               'B00J7RIXEM
                                                              'B0071H6ZD6
'B005GMY88W'
               'B004RANK5Q
                               'B009JJA49U'
                                              'B0071H640U'
                                                              'B002UFJ66M'
'B0093HPZ2E'
               'B000MQ6X8A'
                               'B002W01P82'
                                              'B004N56WWI'
                                                              'B0089PZZKS'
'B005IJQAIE',
                               'B003Y5VLX8',
               'B00HXTD60W',
                                              'B00CVDTMI0'
                                                              'B007R4ZJ8A',
```

```
'B000VXVEGK'
                'B00002P3RE'
                               'B0011SUGFE'
                                              'B00FM7PGT0'
                                                              'B00176YZUM'
'B00DH10150'
                'B00BTCZJW2'
                               'B008G0R600'
                                              'B005JECMQM'
                                                              'B000W3WP1W'
'B00CE2JC9W'
                'B004TSFBNK'
                               'B0053L2E10'
                                              'B00CPQHKYG'
                                                              'B003C0AFPQ'
'B005GMYPMG'
                'B00130ULOM
                               'B00GZ0WF0G'
                                               'B004H7GB9G
                                                              'B000MIR7TM
'B002EP90UG'
                'B00K2T5RZ2'
                               'B00F12F5QQ
                                               B00B786720'
                                                              'B00447F1YK'
                                                              'B00J20ES34
'B00174LGSI'
                'B008R7BT5S
                               'B0060G4IW0
                                               B00JH74XPA'
'B00BUU7KVG'
                'B003CU26SY'
                               'B003GLR1E8'
                                               B00D3KXYS4'
                                                              'B0050ZC2MU'
'B00K0RKB2K'
                               'B006NMY0MS'
                                               'B003CTTZQQ',
                                                              'B004TSFE28',
                'B002BS43HU'
'B000GD5LY6',
                'B002QFGKUQ',
                               'B008BJ5GM0']
['B006C50HSI', 'B006P14842',
                                'B0072CSVB4', 'B00CG0UL2A', '9788072208']
                   'B0017JT658', 'B0084HM1DA',
                                                  'B000MX5NVQ',
   ['B007P70P00'.
'B000AQF50Y'
                'B0013FPN1W'
                               'B00AH5I0GA',
                                               B0072CTK5K',
                                                              'B000XE5260'
'B00KSLJ5WA'
                'B0079VZFSA'
                               'B0072CVBZC'
                                               B001RCIPMU'
                                                              'B0072CS07A'
'B0017L0N06'
               'B00JUCIN40'
                               'B000HZPKTY'
                                               B007VXH2DM'
                                                              'B004VUBNQU'
'B009NP0Y14'
                'B00CG0UL2A
                               'B00KCX9BK0'
                                              'B0072CQU2G
                                                              'B00KJ0034S
'B0022V2PKI'
                'B004B2J8UG
                               'B0072CYS9I
                                              'B001362KHQ'
                                                              'B001J06072
'B000V0HKK8'
                'B0079VYY3M
                               'B0072CWP30'
                                               B0049CXC8W'
                                                              'B000V0L914
                'B0072CUD8I
                               'B002CT01M4'
                                               'B009RA8HJ0'
                                                              'B00BZB070I
'B000KRZD40'
'B0009N36NG'
               'B0091XL4B6'
                               'B00152SA1S'
                                              'B002Z7FVTQ'
                                                              'B00L290S28
                               'B00023QRCK
                                                              'B002LKZ1JW
'B000UICT6U'
                'B002LZ0IPY
                                              'B00456E6N2
'B0009N33Z2'
                'B000E7UFM2
                               'B00IPZE0XU'
                                              'B0079W3WIE'
                                                              'B000C1ZDTU
'B000C2YXVI
                'B00KC9770G
                               'B000E7WHLY
                                               B0072CXVTQ
                                                              'B005M2AQRI
'B0072CWRAA'
                'B000FCTITM
                               'B0079W1SDA'
                                               B000E7UFS6
                                                              'B000C235XK
'B002LL4U08'
                'B002LZ0I2W'
                               'B0079VS8M0
                                              'B0009N35D2'
                                                              'B0009N5EZ0
'B00EZ1RXGY
                'B00FY3T3TM
                               'B0072CY7J4
                                               'B0079W0FW0
                                                              'B00490P9VS
'B00161IKD6'
                'B003VX1KF2
                               'B0072CTS2K'
                                               'B0079VXYZG'
                                                              'B0007XGBVC
                                                              'B0072CVHE2
'B004P0UUBK'
                'B0079VTWBG
                               'B002LL308U'
                                               B0072CWDVI
'B000V0PG0E'
               'B000XE87IA'
                               'B003XLX046'
                                              'B000JL7Z5S'
                                                              'B004564IZI
'B00DAUYQX4'
                'B0009N34GU'
                               'B0072C0JBS'
                                              'B00EYBI67U'
                                                              'B0079FW5WA
'B0079VTHJ8'
                'B008HLP3WY',
                               'B00HUA0E2S',
                                               'B0000P7LTY',
                                                              'B00F14IKQQ',
'B00CXCCI8A']
['B0019M210Q',
                'B000E7YM8K',
                                'B0006V31FY', 'B0079W1VJ0', 'B00CITNW92',
'B008D5JK90',
               'B007P7R30W'1
also viewed
                                                  ['B008G0R600',
'B00E0FEKF8'
                'B00IIFVJZ4'
                               'B009C7RZNC'
                                              'B00K05ZR08'
                                                              'B009NAE9A0'
                                                              'B004M7WKKK'
'B00A66T112
                'B00C8R39TM'
                               B009VYF0MY
                                               B00K0683R6
'B00K06830E'
               'B008MU8TL2'
                               'B00HKA110G'
                                              'B00K0683PS'
                                                              'B00BMW24TU'
'B0061K0EVW'
                B00E7LQHZ0
                               'B00KR26VFE
                                              'B00IHR9EVE
                                                              'B00IHQKRCA
'B00GWDKRG6
                'B00DF00IJA
                               'B00GWDZBHQ
                                              'B0020FG0AK'
                                                              'B007RKC27U
'B00JE46HM8'
                'B00IIG7UQ0
                               'B009NAE91E
                                              'B008D5JRL2'
                                                              'B00IHR9EV4
'B00CZ49RSK'
                B00J3HHJUA
                               'B009WJCEMM'
                                               B004I3LU7C
                                                              'B00LE9YL0G
'B00EYZR3E8'
                'B00F080L6U'
                               'B00L54D9NU'
                                              'B00GBTX1G0'
                                                              'B00I9GTBD4'
'B00IVHDGMS
                'B009P732GI
                               'B008B2Z940'
                                              'B004U02GMW'
                                                              'B00KH0F6V2'
'B008D5D9NY',
                               'B00AU05YVU',
                                              'B00HWR10Z4',
               'B00IHQQGKM',
                                                              'B00K67AQN8',
```

```
'B0020FGKU0',
               'B0067F8BBM',
                               'B00FYV0G1Y']
1
['B0054GBX0W'
                 'B0054GLD1U'
                                'B006VD0PP0'
                                                'B003BRZCUC'
                                                               'B009H0U1TU'
'B00GAXR43M'
                'B0074RLEZC'
                               'B003BRZ7B6'
                                               B002TNIN2S'
                                                              'B002SKMNG0'
'B0072CVZ0S'
                'B006Q4JNCU'
                               'B000VQEQXA'
                                               B00H04Z0BI'
                                                              'B00DJWN0FI'
                                                              'B000TBV09G
'B003BS4CUC
                B002T0LEMS
                               'B0074SE5CA'
                                               B007R4ZJ8A'
'B000NB3V0S'
                'B005R3IPJI'
                                                              'B005IJTKFY
                               'B00BTCZJW2'
                                               B000X5LUYC'
'B006ZYZ8S4'
                                               B001T80ZGC
                'B008I7GTWA
                               'B005DXHDXG
                                                              'B00DKB2CYI
'B008BJ5GM0'
                'B005EM6NYQ
                               B000VQEUK4
                                               B000XQ0850
                                                              'B00KLGFH1A
'B008HCTX3S'
                'B0071H5C76
                               'B006ZBP8NM'
                                               B00J8WR3B0'
                                                              'B0002Z8UZ0
'B006V6T1X4'
                'B006ZYU5Y0'
                               'B00F12F500'
                                               B007T03BF0'
                                                              'B0009R1526'
'B009FGHKNA'
                'B00BKFNQI2'
                               'B0000V3ZD0',
                                               B007M8TB08',
                                                              'B001E919LU',
'B0072CUBR0',
                'B0054GG4AA'1
                                  ['B0072CSVB4', 'B005YWB0HW',
'B00CG0UL2A'
                'B00GIWPK2W'
                               '9788072208'
                                               9788072305 '
                                                              'B00C8RZP6C'
'B00B1YH7PA'
                'B00HPYVCM4'
                               'B008AZ0E80'
                                               B00GFE0VX6'
                                                              'B0079W1YUW'
'B0079VUA5S'
                'B0040C8HQ0'
                               'B00B9KT9FW'
                                               'B00KTB1ZF4'
                                                              'B00KSL75E0
'B002X01S04'
                'B003HUP0H8
                               'B008KS9VBS
                                               B006C50HSI
                                                              'B00727PMYS
'B00BUUCRGO'
                B00CMR3A6A
                               'B00DST09YM'
                                               B00KB93G06
                                                              'B00D8H2FNW
                               'B00KSLWAGI
                                                              'B004564IZI
'B005S0S5X0'
                '9788071198
                                               B00CM0ZCE4'
'B007Q10DRM'
               'B00CLYHF9W'
                               'B001JQ6072'
                                               B0072CY0AG'
                                                              'B00L24H15A
'B00H00AT5E
                'B008RTY0K8
                               'B00090AIIG
                                               'B006P14842'
                                                              'B0079VWZ3S
'B000JL7Z5S'
                'B00JUCIN40'
                               'B007ZML100
                                               B000P43JX0
                                                              'B0079W220M'
'B0079VYMDY'
                'B0072CUKQS'
                               'B00L6XS1II'
                                               'B000U66I0A',
                                                              'B0079VZFSA',
'B00E9EU1LG'
                'B000CNTT9I'
                               'B000C1Z3LS']
   ['B005M2AQRI',
                    'B000V0HKK8'
                                   'B0017JT658',
                                                   'B000KS1A7Y',
'B000XE49G0'
                'B0022UW72U'
                               'B00JX43PZ6'
                                               B000IEQQCE'
                                                              'B000XE906S'
'B00002T3DY'
                'B000U83UAY'
                               'B00502JMIY
                                               B00AH5I0GA'
                                                              'B00FYVJ8FI
'B00GZP041Y'
                'B007P70PQQ'
                               'B0072CYRKI'
                                               B00GZP0760'
                                                              'B007TTFT1A
'B0079VZFSA'
                'B002GZVV96
                               'B000KRZD40'
                                               B00EN6BR7W'
                                                              'B005YEMNJI
'B0040N72CG'
                '9790791976'
                               'B000MX5NVQ'
                                               B0072CUKQS'
                                                              'B0072CTK5K
'B004VUBNOU'
                'B0084HM1DA
                               'B000A0F50Y
                                               B000U66I0A
                                                              'B000XE5260
                                                              'B0079VYMDY
'B001J06072'
                'B0013FPN1W
                               'B00BPZ1UJE
                                               B0057ZFWA6 '
'B000RPPR42
                'B0079VS8M0
                               'B0072CYS9I
                                               B0072CS07A'
                                                              'B00GXEVG9G
'B004RB6J3U'
                'B001FWXMIY'
                               'B000C1ZDTU'
                                               B0040HDATC'
                                                              'B001B10BF6
                                               'B0079VXYZG',
'B00161IKD6'
                'B0017LQNQ6'
                               'B00E9RG0YQ'
                                                              'B003AXJNGQ',
'B008HLP3WY'
                'B00KJ0Q34S',
                               'B0079W3WIE']
['B000E7YM8K'
                 'B0019M2100'.
                                'B0006V31FY'
                                                'B0072CU2PM'
                                                               'B000BIDC0Q',
'B000GHWPI2'
                'B007P7R30W'
                               'B001366JMI'
                                               B005FGHPM0'
                                                              'B00GII2H8Q'
'B002JISTS6
                'B001D1IS0K'
                               'B0079VVTAS
                                               B0072CTQHW'
                                                              'B007510WQS'
'B003BMERYY
                ' B004C7SNBU '
                               'B000JC51IU'
                                               'B007VTRDBW'
                                                              'B004V4570K'
'B002LZ2I9S'
                'B000ZKHV7A'
                               'B0072CU6V2'
                                               B0072CX2L8'
                                                              'B000Q1HX62'
'B0009N103E'
                'B00B0JZE5M'
                               'B0079VS8M0'
                                               'B0072CVWRE'
                                                              'B0079W1VJ0',
                               'B00CPDJHU4'1
'B000AQF50Y',
               'B008HLP3WY',
           brand
0
            COKA
1
   Xtreme Brite
           Prada
```

```
3    Versace
4

categories \
0
Neutralizers']]
```

[['Beauty', 'Makeup', 'Face', 'Concealers &
Neutralizers']]
[['Beauty', 'Hair Care', 'Styling Products', 'Creams, Gels &
Lotions']]
[['Beauty', 'Fragrance', "Women's", 'Eau de
Parfum']]
[['Beauty', 'Fragrance', "Women's", 'Eau de
Toilette']]
[['Beauty', 'Fragrance', "Women's", 'Eau de
Parfum']]

description \

0 An extensive range of 15 multiple vibrant long wear concealer colour with different skin tones to create more than 10,000 amazing looks. Using the most commonly applied shades, ensures the best skin colour match and guarantees a traceless and natural finish. Enabling layering and mixing, provides total camouflage for almost any skin problem including blemishes, scars, birthmarks and black circles. It is also suitable to use as bronzer. The light colour is suitable for redness, acne and so on. The medium colour is perfect for dark shadows in the under-eye area. The dark colour provides exceptional camouflage and adheres well to the skin. Silky glossy colour and high quality ingredients together to care skin around and can last for all day long. It is perfect for Professional Salon, Wedding, Party and Home use. Size: $15.4 \times 10.2 \times 1.3$ cm. Each Diameter: 2.6cm. Concealer: 15 Color Concealer.

1

Xtreme Brite Brightening gel is a highly concentrated gel that helps to obtain a clearer and brighter complexion. It helps remove blackheads and cosmetic acne.

7

Prada Candy By Prada Eau De Parfum Spray 1.7 Oz For Women: Prada Candy launched in 2011 has taken all vivacious young feminine hearts in its grasp. The caramela, musky, and balmy accords are irresistible for the graceful or the vivacious. A creation by the perfumer Daniela Andrier, it enlivens the young heart of the applicant and tantalizes the smeller. It is a companion of the flirtatious and the sensuous. The musky notes dominate over the top followed by the chypre benzoin. The gourmand caramel is a surprise at the base when you start feeling that you know the Prada trick. The exquisite flacon with embossed brand name and attractive stopper gives a start to the temptation.

Versace Bright Crystal Perfume for Women 3 oz Eau De Toilette Spray Inspired by a mixture of Donatella Versace's favorite floral

```
chilled yuzu and pomegranate mingled with soothing blossoms of peony,
magnolia, and lotus flower, warmed with notes of musk and amber.
Notes: Iced Accord, Yuzu, Pomegranate, Peony, Magnolia, Lotus Flower,
Acajou, Vegetal Amber, Musk. Style: Sheer. Sensual. Luminous.
Recommend Use: Day, Evening, Night
STELLA For Women By STELLA MCCARTNEY 1.7 oz EDP Spray
   price
                   salesRank \
    5.04
           {'Beauty': 10486}
0
         {'Beauty': 52254}
{'Beauty': 78916}
  19.99
  65.86
  52.33
             {'Beauty': 764}
     NaN {'Beauty': 142503}
title \
  WAWO 15 Color Professionl Makeup Eyeshadow Camouflage Facial
Concealer Neutral Palette
                                                         Xtreme Brite
Brightening Gel loz.
                                 Prada Candy By Prada Eau De Parfum
Spray 1.7 Oz For Women
                          Versace Bright Crystal Eau de Toilette Spray
for Women, 3 Ounce
Stella McCartney Stella
   SpecialPrice IsAvailable Platform
0
                        True
           5.04
                                Amazon
1
          19.99
                        True
                                Amazon
2
          65.86
                        True
                                Amazon
3
          52.33
                        True
                                Amazon
            NaN
                        True
                                Amazon
df amazon.isna().any()
Unnamed: 0
                     False
asin
                     False
                     False
avg.rating
avg.helpful.ratio
                      True
also bought
                     False
also viewed
                     False
brand
                      True
categories
                     False
description
                      True
                      True
price
salesRank
                     False
title
                     False
```

fragrances, Bright Crystal is a fresh, sensual blend of refreshing

```
SpecialPrice
                        True
IsAvailable
                       False
Platform
                       False
dtype: bool
df=df amazon.dropna(axis=0)
df
       Unnamed: 0
                                  avg.rating
                                               avg.helpful.ratio
                           asin
21
                     B000052Y25
                                         5.00
                22
                                                              1.00
22
                23
                                         3.00
                                                              1.00
                     B000052Y5F
69
                                         5.00
                70
                     B0000530LV
                                                              1.00
71
                72
                     B0000530NA
                                         5.00
                                                              1.00
84
                85
                     B00005333I
                                         3.50
                                                              1.00
             11281
11280
                     B00JT74V10
                                         4.84
                                                              0.98
             11285
                                         5.00
                                                              0.89
11284
                     B00JYKBZ3I
             11287
                                         4.36
                                                              0.97
11286
                     B00JZ0L7VC
             11290
                                         5.00
                                                              0.81
11289
                     B00K1H6AY2
                                         5.00
11339
             11340
                     B00L5BXG36
                                                              1.00
also bought
21
['B0087GR95S'
                                                               'B005J398JW',
                 'B0088W2E60',
                                'B0088W7PUK'
                                                'B0085XVQZW',
'B00DNE5YZQ'
                'B000G017TC
                               B000XDCG0M'
                                                              'B006FWZ5CA'
                                               B0001EKQRW'
'B0033ZIQV0'
                B0001EKUNC
                               'B006UFNH22
                                               B005U5KFTG'
                                                              'B000LNWUIG
'B004PCRSYK'
                'B003MUSRGY
                               'B00DNE664E'
                                               'B004LT9EDU'
                                                              'B003MUQ0R8
                                                              'B003MUNI0E
'B0006FMK98'
                'B0000Y3GF2
                               'B006IC0LXK
                                               'B00E8J36FU'
'B0088W93LY'
                'B0052ZKKWG
                               'B000GCW9F6
                                               'B0033GLYQM'
                                                              'B008NB43UQ
'B0016AVI0S'
                'B0028R4SR0
                               'B00DE2XKW0'
                                               B0088W7Z7S
                                                              'B00HHZALDC
'B000BI4DDQ'
               'B00G05PEX8
                               'B0087GRCL4
                                               B00AFCP9F0'
                                                              'B002J29FKI
'B005MT7I50'
                'B0088W7WX0
                               'B000ZJ2842
                                               'B008M8TYU4'
                                                              'B00606R0RK
'B004B88BQW'
                               'B002X04LWE
                                               B0064FTVZ0
                                                              'B0000802X5
                'B00BARE3SC
'B003U5XH70'
                'B0080SIAFC
                               'B003XWG880
                                               B002C74898'
                                                              'B00FEMSAW0
                'B00ICBW1QK
                                               B0088W8DLA'
                                                              'B00BJ8RM7G'
'B00A9VX0IY'
                               'B004J0094Y'
'B0088W8NC4'
                'B0088W48NM'
                               'B00KGGMR4A'
                                               'B00LD80E3C',
                                                              'B001FA1NTG',
'B00JIRRTYG',
                'B00J7PLJYA',
                               'B0016P9Z9A'l
22
['B0044NANVK'
                 'B001HSM0EE'
                                'B000V7VZ3I'
                                                'B000GG850U'
                                                               'B008AZQX4Y'
'B00BZF95R8'
                B008B0K0C0'
                               'B00006K13S'
                                               B001HSMPAM'
                                                              'B00CAWCDBU'
'B003ZTRR6I'
                'B000F34TCC'
                               'B008KNX7QS'
                                               B000RZTMUW'
                                                              'B001LFEUYK'
'B00I79YSUY
                B000WCPFKQ
                                               B008390B0E
                                                              'B001GA0HTI
                               'B001V90S60'
                                               'B00269WST4'
'B000UZED0S'
                'B008D5KHIY
                               'B000GCI8ZG'
                                                              'B005WDS5W0
'B0009XFYSG'
                'B002ZG8H80
                               'B00HMCU0D2
                                               B000QYNNQ8'
                                                              'B004AI9CM0'
'B00260H4H0'
                'B0047UT5DW'
                               'B003840WFS
                                               B0057D7ZBM'
                                                              'B005C55HPG
'B001KYVL08'
                'B0000T9UNK'
                               'B0002UDK4Q'
                                               'B000K2YF1S
'B000KTB19K'
                'B0072CRMHI
                               'B005D0DTS2
                                               'B000VPTHP8'
                                                              'B000YHLS8W'
'B000V1LX00'
                'B000GGKQMU'
                               'B005Y4T5C6'
                                               B000RMFGGY'
                                                              'B002GU5YCQ'
'B00100LF82',
                'B00028N8LI',
                               'B00BI80G2Q',
                                               'B00EDR6YB0'
                                                              'B0010K1YUA',
```

```
'B000EEH80M',
               'B00ICBW10K']
69
[ 'B0002FCCXG'
                 'B002BX74QM'
                                'B000R36HKC'
                                                'B000W30RP8'
                                                               'B005CYKEL4',
'B009PIR36W'
                'B004DBU9MG'
                               'B00A0IWTDI'
                                               B002U0HYEC'
                                                              'B0020100FM',
'B00CLVJ030'
                'B00A0IWT9C'
                               'B001RDH4G2'
                                               B005CYJI1Q',
                                                              'B00I13T8EC',
'B008BWIQM8',
                'B003CP1208',
                               'B000KTB19K',
                                               B00B04205I']
71
['B002UUT39M'
                                                'B004CR3D4W'
                 'B0088W7Z00'
                                'B00J6VKHJS'
                                                               'B00D5ETV08'
'B007Y5F1PI'
                'B0076PEAX0'
                               ' B0088W8RMU '
                                               B001F51TR2'
                                                              'B00JHLLQ6U'
'B008X8R9NM'
                'B0088W46W0'
                               'B000052YQ0'
                                               B0012J30PU'
                                                              'B003LZ6KZA'
'B00JJRLG7G'
                'B00HDQ0NVK'
                               'B007939E0E'
                                               B0088W8RF2'
                                                              'B005PMLVTW'
'B000052Y02'
                'B001F51TN0'
                               'B004969H0U'
                                               B0088W49TU'
                                                              'B0012J1350'
'B0081NLR0K'
                'B00496819S
                               'B000F65JSC
                                               B009GEUPAG
                                                              'B007PBX496
                'B001JQLNMI
                                               'B001F51T0U'
'B00CSKSD90'
                               'B007FYEC80'
                                                              'B002UUT3YM
'B0088W2E4W'
                B00HWV0BSU
                               'B004CASKMO'
                                               B004AS6GGU'
                                                              'B0033WSTXM'
'B00496DJBS'
                'B005M31I4C
                               'B007UHHPZ4'
                                               B001F51TDG'
                                                              'B00HJRN9NW'
'B009CUYUVY'
                'B00DQSVXLI'
                               'B00CIUMLLG'
                                               'B0028K3J70'
                                                              'B002Z7E00Y'
'B00I0XKUG4'
                'B00JGPND4K'
                               'B00JJDIH9A'
                                               B00CSKSH60'
                                                              'B00D5Z50BM',
'B000T9CBQS',
                'B002F8F546',
                               'B005ZIC6Q8',
                                               B005CYJ79E']
84
['B00D8FK9F0'
                 'B002JDUMF0'
                                'B0075HE6B0'
                                                'B00LDY8TU0'
                                                               'B006WQC0BI',
'B006WQC022'
                'B0072CV0UI'
                               'B0055S4BZ2
                                               B0047F71SS
                                                              'B0055S4CRY'
'B00C9EK0HY
                B00AYWN80Y
                               'B000NP7K1E
                                               B002PBHQP4
                                                              'B00DGCEUMI
                                                              'B005H1541C
'B004YWRYUY'
                'B005H1525A'
                               'B0014ZWHZQ'
                                               B00EIMH78E'
'B00I5571Z0'
                               'B00CRHR0BG
                                                              'B0047F9820
                B003A8EKTG
                                               B001EUS8G8 '
                                               B008EKY8VK'
                                                              'B0047F70B6
'B00B2KDWHA'
                'B00ECU0A18'
                               'B001D077YY'
'B00C9304M6'
                'B008CT12G2
                               'B009X62WM6'
                                               B0073ANH14
                                                              'B00DG1B6V2
'B00JHLL06U'
                'B00CD0016I
                               'B00AYDN0EG
                                               'B001D03CVG
'B0072CS2VS'
                'B00CT00D0S
                               'B001D01KR0'
                                               B003RF82RI'
                                                              'B00H2MVMCY
'B004EFLLBE'
                B00AXZ027S
                               'B004EFABJC
                                               B004AS6GGU
                                                              'B002JL1Y6C
'B00496819S'
                'B0050LQJGE'
                               'B0076PEAX0'
                                               B0014ZWHZ6'
                                                              'B0012IX04I
'B0009RFB76
                B00A0X87M4
                               'B00DDSEJHG'
                                               B002D1TFXM'
                                                              'B00D0SVXLI
                               '0374224471'
                                                              'B00HWVQBSU'
'B004BD11DM'
                'B004EF0IKU'
                                               B00D5ETV08'
'B004LKVE0U'
                'B00JJDIH9A'
                               'B000GCJLZC'
                                               B000K0M08Q'
                                                              'B00027DMI8'
'B00CSKSD90'
                'B0055170UC
                               'B0013NHSYE',
                                               B0088W2WE0'
                                                              'B00J8UC05C',
'B00HF6SJVY',
                'B0000920X4']
                                       ['B00IU2C148', 'B00IZQ66V8',
11280
'B00JJ0EV9Y'
                'B00KV02JWC',
                               'B00DCF7QW0',
                                               B00L8FQZ3M'
                                                               B00L8HA5L8'
'B00L8FDIZU'
                'B00LSXYC6G
                               'B00KEU5K1A'
                                               B00L3RC0I0'
                                                              'B00LTM6S40'
'B00J012U0M'
                'B00LDGV15I
                               'B00L3GF2BW'
                                               'B00KVE7R00'
                                                              'B00JZRX9SE
'B00KVWJ5GC'
                'B00LGCL0X8
                               'B00L3MG3S2'
                                               B00KFUH00I
                                                              'B00M04HZI0
'B00LGVUUA2
                'B00KWP8ZIM
                               'B00LGZDW3U
                                               B00KH6F6TM'
                                                              'B00L49RXLA
'B00KSLCU72'
                'B00L4A40XM'
                               'B00L2NX8YE'
                                               B00KCRYIWM'
                                                              'B00K4S1L1K
'B00L0WR484
                'B00L00B01S
                               'B00L3N9J46
                                               'B00KVQELFI'
                                                              'B00KSHYIM6
'B00K1G0W5K'
                'B00K1H6AY2
                               'B00JZVMT0U'
                                               'B00KHADRZS
                                                              'B00KGEN2KK
                'B00KYB12ZM'
                               'B00L1F79LQ'
                                               B00L0RXVUE
                                                              'B00LG63D0M'
'B00JV1GLTI'
'B00JNV6CEK'
                'B00L5L7ZPQ'
                               'B00L1H4I0Y'
                                               B00JQL8XLC
                                                              'B00JQL8PU6'
'B00KEXR5IS',
                'B00L5KTZ0K'
                               'B00JLXNJY6',
                                               'B00JLL8D0E',
                                                              'B00KCZ02WK',
```

```
'B00L3GRNB0'
                'B00JVVZS56'
                               'B00JLWFQHU',
                                               'B00J0UZ0TY'
                                                              'B00KC7I2GU'
'B00K6XM8KQ'
                'B00JQKCW9C'
                               'B00H3TT74G'
                                               'B00G1PRRRC
                                                              'B00LGVMWX0'
'B00KB5X0GG'
                'B00JPHP3B0'
                               'B00KB8FGSM'
                                               'B00KE7T7FS'
                                                              'B00KSFQN3K'
'B00J4X7KBG'
                'B00LB18EKK'
                               'B00KCJPPXG'
                                               'B00IOUDVYA'
                                                              'B00IIBB7A0'
'B00L3LB0IG'
                'B00L3LBUGI'
                               'B00L3K910W'
                                               B00L5LS07E'
                                                              'B00JPJE6CU'
'B00J0L8WCC
                'B00I20R6YE'
                               'B00IMWA4RC'
                                               B0020SICSI
                                                              'B00H4I0T5I'
                'B00I9KKAH0',
                                               B00K8ATI7S',
'B00K370I6C'
                               'B00K32ICRS'.
                                                              'B00KIX796W',
'B00KXE9RWU']
11284
                 'B00KQBR9FM'
                                'B00KZNOHTW'
                                                'B00KQVTX06'
                                                               'B00K0ASCDG'
['B00KXG8JHC'
'B00KHGIK54'
                B00I1ISDZM'
                               'B00KQ4PEBU'
                                               B00K6SM5N6'
                                                              'B00L07J5BW'
'B00KHH2V0Y'
                'B00KD73PBQ'
                               'B00GF1NZLY'
                                               B00KCFAZTE'
                                                              'B00LALMG3W'
                'B00KY4Z1I8'
'B00KCTER3U'
                               'B00KAL5JAU'
                                               B00HZ7IRT2
                                                              'B00GXBEV0A
'B00JL2TURM'
                'B00JEKYNZA'
                               'B00K7P0996'
                                               'B00KV02JWC
                                                              'B00KNJOLSA
'B00I2495QG'
                B00JJVG6HC
                               'B00K7ILPYU'
                                               B00JYY56ZW'
                                                              'B00IT1HKV4'
'B00G5W02R4'
                'B00FX1QCQC
                               'B00IRONHTK'
                                               B00IT69F62'
                                                              'B00JPV3MIM'
'B00GGSDWH8'
                'B00K203NV2
                               'B00E30XGQY'
                                               'B00FJ0FJX8'
                                                              'B00G75X158
'B00FFANXMM'
                B00C8YCFU4
                               'B00ITA41T4'
                                               B00I5NX0VA'
                                                              'B00C0CNZ86
                               'B00HJD8NLY
                                               B00JX979CQ'
                                                              'B00GLE8SNK'
'B00H0LVCVI'
                B00DXNXG2U
                'B00HMTK80U'
                               'B00GCQMSVA'
                                               B00FPLTWJE
                                                              'B00GFBWWC
'B00HHR0SYW'
'B00GN8XLUE'
                'B00FHBTSLY'
                               'B00IS4CPPI'
                                               'B00GYF65TK'
                                                              'B00C0CREVU
'B00IW110B2
                'B00IDWP4IA
                               'B00IMHN0B4
                                               'B00K2N9PQU
                                                              'B00GNU6MFI
'B009PARMMA'
                B006K4066E
                               'B00HARZKVU'
                                               B00IP42FBA'
                                                              'B00ELAP3X4
'B00HBR41LY'
                'B00GXE29EM'
                               'B00H93NJLS'
                                               B00H8RVMC8 '
                                                              'B00GDV55B4'
                                                              'B00GWFJAD0'
'B00G3ZH0LY'
                'B00C7DYBX0'
                               'B00FT8ZHHE'
                                               B00IBS9QC6'
'B00CJSVB0A'
                'B00FFR59VS'
                               'B00BBSPMIU',
                                               B00CNVBCLK',
                                                              'B00GLDL9HS',
'B000F6RFX4',
                'B00DDT116M'l
11286
        ['B00K1G0W5K',
                        'B00JJ0EV9Y',
                                       'B00IAMTLS2',
                                                       'B00M04HZI0',
11289
                               'B00JZVMT0U'
                'B00LDGV15I'
                                               B00LGW9YUS'
                                                              'B00L8HA5L8'
'B00LSXYC6G'
'B00L8FQZ3M'
                'B00KWP8ZIM'
                               'B00LGVUUA2'
                                               B00KFUH00I'
                                                              'B00L3GF2BW'
'B00L8FDIZU'
                'B00L3MG3S2'
                                                              'B00LGZDW3U'
                               'B00LTM6S40'
                                               'B00KVE7R0Q'
'B00LGCL0X8'
                'B00JZRX9SE
                               'B00KH6F6TM'
                                               B00L3K910W'
                                                              'B00L3LB0IG'
'B00L3LBUGI'
                'B00L0RXVUE
                               'B00KQXDIG4'
                                               B00KSLCU72'
                                                              'B00LB18EKK'
'B00L5L7ZP0'
                                               B00KEXR5IS
                'B00L00B01S
                               'B00L0WR484'
                                                              'B00K4S1L1K
'B00LG63D0M'
                'B00L4A4QXM
                               'B00JLXNJY6
                                               'B00JNV6CEK'
                                                              'B00JQL8XLC
'B00JQL8PU6'
                'B00L3RC0I0
                               'B00KCZ02WK'
                                                              'B00L3N9J46
                                               B00L49RXLA
'B00I20R6YE'
                'B00IMWA4RC
                               'B00J0UZ0TY
                                               B00KIX796W'
                                                              'B00KVWJ5GC
'B00JCE89SU'
                'B00LORY6IA
                               'B00L3GRNB0'
                                               B00KC7I2GU'
                                                              'B00H8C82IU
'B00KCJPPXG
                'B00KE7T7FS
                               'B00J012U0M'
                                               B00LGVMWX0
                                                              'B00KTUWSSI
                                               B00L2NX8YE'
                                                              'B00L2F5KP2
'B00KCRYIWM'
                'B00L5KTZ0K'
                               'B00JQL8WCC'
                'B00KFNJY6S
                               'B00KGEN2KK'
                                                              'B00KSHYIM6
'B00KXE9RWU'
                                               B00KV0ELFI
'B00KLZ02JE'
                'B00KHV6TIE'
                               'B00KZ0RPB2'
                                               B00KHADRZS
                                                              'B00L1PP5LW'
'B00KTAJAIY
                B00KYB12ZM
                               'B00KYC0DQU'
                                               'B00IIBB7A0'
                                                              'B00IU079YM'
'B00K6IGTI8'
                'B00L5LS07E'
                               'B00LGW2XFG'
                                               'B00K6XM8K0'
                                                              'B00KGHKJSA
'B00JT74V10'
                'B00KI2RQHU'
                               'B00L2M52DK'
                                               B00K8J1JKI'
                                                              'B00J6YIISC'
'B00K32ICRS'
                'B00KK62714'
                               'B00CA8636K',
                                               B00HPKFMSI'
                                                              'BOOKDN5YAA',
'B00KLT603M'1
11339
```

```
['B00J0PULS8'
                 'B00JTY6WQ4'
                                'B00J0REF10'
                                                'B00KZNOHTW'
                                                               'B00K7ILPYU'
'B00JSSZL7M'
                B00KQBR9FM'
                               'B00KCTER3U'
                                               B00KQASCDG'
                                                              'B00JEKYNZA'
'B00KD73PBQ'
                'B00KQVTX06'
                               'B00FJQFJX8'
                                               B00KNJ0LSA
                                                              'B00IRQNHTK
'B00KCFAZTE'
                'B00ILH0IE2'
                               'B00HBR41LY
                                               B00K7P0996'
                                                              'B00KHH2V0Y
'B00IP42FBA'
                'B00K0D70WS
                               'B00KHGIK54
                                               B00JL2TURM'
                                                              'B00DXNXG2U'
'B00KAL5JAU'
                'B00C8YCFU4'
                               'B00I00AGGA'
                                               B00JJVG6HC
                                                              'B00HZ7IRT2
                               'B00K203NV2',
'B00GXBEV0A'
                'B00G75X158'
                                               B00E30XG0Y'
                                                              'B00IDWP4IA'
'B00F0CD39I
                'B00G5W02R4'
                               'B00H93NJLS',
                                               'B00HHF0HF4'
                                                              'B00ELAP3X4',
'B00FT8ZHHE'
                'B00GN8XLUE']
also viewed
21
                                                      ['B0088W2E60',
'B000XDCG0M'
                'B0087GR95S'
                               'B0085XVQZW'
                                               B004PCRSYK'
                                                              'B00DNE5YZQ'
'B0088W7PUK'
                'B005J398JW'
                                               B0001EK0RW'
                                                              'B003MUSRGY
                               'B000G017TC
                                               'B000BI4DDQ'
'B0088W93LY
                'B0033GLYQM'
                               'B005VEE58I
                                                              'B0006FMK98
'B0001EKUNC
                'B006FWZ5CA'
                               'B000LNWUIG
                                               B003MUQ0R8
                                                              'B006UFNH22
'B00D0UJJF8'
                'B0033ZI0V0
                               'B006IC0LXK'
                                               B00JRUBZR0'
                                                              'B00164E8TI
'B0085XVN00'
                'B003MUNI0E
                               'B005U5KFTG
                                               B001E72110
                                                              'B008NB43UQ
                                               B000GCW9F6'
                                                              'B000GD03T0
'B002X04LWE'
                'B00HHZALDC
                               'B00E8J36FU'
'B0052ZKKWG
                'B0000Y3GF2
                               'B002KAA8KK'
                                               'B003458J3S
                                                              'B00J7PLJYA
'B00DNE664E'
                'B002J29FKI
                               'B005UGVBKC
                                               B008M8TYU4'
                                                              'B00FEMSAW0
                               'B00J2EKHG2'
                                               B0088W8NC4'
                                                              'B0088W7Z7S'
'B004LT9EDU'
                'B0016B9U40'
'B001F0LMP2',
                'B00G05PEX8'
                               'B00EE18RE2'
                                               B003U5XH70'
                                                              'B0016B5MK0'l
22
        ['B001HSM0EE',
                        'B0044NANVK', 'B008AZQX4Y',
                                                      'B003ZTRR6I',
'B001V90S60'
                'B00K1DV9A6'
                               B00CAWCDBU'
                                               B001HSMPAM'
                                                               B008B0K0C0'
'B008KNX70S'
                'B00JLNGGEQ'
                               'B00BZF95R8'
                                               B00006K13S
                                                              'B0016AXN7A
'B0002UDK40'
                'B000V7VZ3I'
                               'B00D6415VK'
                                               B008BH4WT0'
                                                              'B000AMPRBU
'B004SEHB7Y
                'B00130W2KS
                               'B00013YYKS
                                               'B001EP3IEA'
                                                              'B0077SXI7A
                'B002RWUNYM
                                               'B000GWG7TK
'B00DYSXWEQ'
                               'B000GG850U
                                                              'B001G7R734
'B0039283FU'
                'B008B0MG6W
                               'B001G7QVAE
                                               B000GCI8ZG
                                                              'B001UQZ6E8
'B0040IWMTA'
                'B0091FABUE
                               'B0000TFBNI
                                               B00HMCU0D2
                                                              'B000N7DP6G
'B000GCI90A'
                'B0013I4WLG
                               'B009XG7WM6'
                                               'B00HWWSGGE'
                                                              'B0060L77M2
'B001PLLWS2
                'B003CT2YQ0'
                               'B00JLWX2XA'
                                               'B001HN77TQ
                                                              'B001TJZIQW'
'B00B0TZ5CE'
                'B00IYQY3M8'
                               'B000MM2RZM'
                                               B0001CXUKY'
                                                              'B0013I1H9G'
'B0013I4WJS',
                                                              'B000F34TCC']
                'B005EKIDG4',
                               'B004H2YFKI',
                                               B000UYIQJI'
69
                                                'B000WIHR92',
['B00B04205I'
                'B004DBU9MG',
                                'B000W30RP8'
                                                               'B002BX74QM',
'B005CYKEL4'
                'B00I13T8EC
                               B000R36HKC
                                               B005CYJI10'
                                                              'B0002FCCXG'
'B0037LG8JQ'
                'B00A0IWTDI'
                               'B00H4P19TA
                                               B00DTW7TP0'
                                                              'B0020100FM'
'B000VPH5KW'
                'B004X8JU5Q'
                               'B0000530G3'
                                               B00G2YDLXG'
                                                              'B009PIR8G2
'B00J0HUNBG
                'B0000530LP
                               'B00DUS0BUS
                                               B00H300MTS
                                                              'B00CLVJ030
'B003LZQW26'
                                               B00CHL3KN4'
                'B0013IXNCU'
                               'B009PIR100'
                                                              'B0098QN41Y
                               'B00JNX0JAC
                                                              'B00A0IWRRG
'B00GTBZ850'
                'B000MJ79R6
                                               B009PIR36W'
'B0088W8WCA
                'B00B42N9B0'
                               'B00A0IWT9C
                                               'B00GCGFFXS'
                                                              'B00AZJ0AW4'
'B00JMB8V1I
                ' B000E0DF9K '
                               'B001EIYVG0'
                                               'B005CYKD06'
                                                              'B00KA60XPC'
'B0090840J0'
                'B007LGY34K
                               'B000NPWQU4'
                                               'B00B22BCJS'
                                                              'B004VGSVHS',
'B000052YM7',
                'B00D3KXNNU',
                               'B0072CT3I4'1
```

```
71
        ['B004CR3D4W', 'B00DGCEUMI', 'B0088W8ZH2', 'B00E4MNPZ2',
'B005M31I4C'
                'B00CLBY2VY',
                               B002UUT39M',
                                               B00I7J5JWK'
                                                              'B00J7PAZMM'
'B00HDQ0NVK'
                'B00GNU9MQE'
                               'B00J6VKHJS'
                                               'B005M201WE'
                                                              'B000T9CBQS'
'B000052Y02'
                'B005PMLVTW'
                               'B007M81AAC'
                                               'B00DDS9GK6
                                                              'B001GGX0EK'
'B000052YQ0'
                'B0076PEAX0'
                               'B007M819DU'
                                               'B00IBDIK0U'
                                                              'B0009RFA0K'
                                                              'B00JSLULNI
'B00J7PL9F4'
                'B0088W8RF2
                               'B0081NLR0K'
                                               B008X8R9NM'
               'B003LZ6KZA'
                                               B0011DNX9K'
                                                              'B00D5ETV08
'B00HD00KAE'
                               'B00BT7EX92'
'B002DPUXZ2'
                B009GEUPAG
                               'B0047EPNNY
                                               'B0016BHL0S
                                                              'B00D1XV4WG
'B001W8W3SG'
                'B001F51TR2
                               'B0088W7Z00'
                                               'B0088W8RMU'
                                                              'B000F65JSC
'B003KWZ8VG'
                'B002K8MK0I'
                               'B008QU0E1M'
                                               B00543733U'
                                                              'B0088W7UZA'
'B0088W9260'
                'B0055FF2MG
                               'B00CSKS0B2'
                                               'B0034LR0R8'
                                                              'B0088W46W0'
'B005ZIC608',
               'B00IN36X6G',
                               'B009GEUPXI',
                                               'B00JHLLQ6U',
                                                              'B0072CT2HG']
84
        ['B00D8FK9F0', 'B0075HE6B0', 'B0055S4BZ2', 'B00CRHR0BG',
'B0014ZWHZQ'
                'B00DQV9GQ4'
                               'B00C9EK0HY'
                                               B001D077YY'
                                                              'B008CT12G2'
'B0047F9820'
                'B0089MUX80'
                               'B00D8F8B5A'
                                               B003A8GG8E'
                                                              'B001D03CVG'
'B0072CV0UI'
                'B002PBHQP4'
                               'B002JDUMF0'
                                               'B006WQC0BI'
                                                              'B002JL1Y6C
'B00760IXJ8'
                'B00E4MJS0Y'
                               'B006WQC022
                                               'B004YWRYUY
                                                              'B0047F71SS
'B00AYWN80Y'
                'B002DPUY50'
                               'B00LDY8TU0'
                                               B003E00F4I'
                                                              'B003RF82RI
'B00ECU0A18'
                'B000F65JSC
                               'B0009RFB76'
                                               'B0047F9622'
                                                              'B00B1IV2A2
'B000NP7K1E'
                'B00H3R7HSQ'
                               'B00496FW3G'
                                               'B00IGLA8DY'
                                                              'B0047F70B6
'B00CSKSD90'
                'B00EIMH78E
                               'B007M81A80'
                                               'B00E96XELS
                                                              'B008FZ562E
'B005H1525A'
                'B0055S4CRY'
                               'B00GP2N66W'
                                               'B00CSKSH60'
                                                              'B001DPMETG
                               'B00GM31224'
                                                              'B002JL72AE
'B005H1541C'
                'B0073ANH14'
                                               B00CYZPUU4'
'B006WQC0N6'
                'B004VM9JCS',
                               'B004799QZA',
                                               B00BFBMSS0'
                                                              'B00DGCEUMI']
11280
[ 'B00DCF7QW0'
                 'B00KV02JWC'
                                'B00IZ066V8'
                                                'B00IU2C148'
                                                               'B00G008LAA',
'B00H3TT74G'
                'B00L1H4I0Y'
                               'B00I02J0UM'
                                               B00F5EILFM'
                                                              'B00J012U0M'
                                                              'B002VPLB32'
'B00I02KXA8'
                'B00BT0QH7K'
                               'B00L2NX8YE'
                                               B00L3RC0I0'
                                                              'B00KK6S52Y
                               'B00KVCYK3K'
                                               B00KSTZGNE
'B00BMLZGGE
                'B00I9QDRQG
                'B00JDJK4PK'
'B00BT7C9R0'
                               'B009XRM1Y0'
                                               B00B1AIEPO'
                                                              'B0092KJWW6'
'B003VJKIOA'
                'B00DE8EVB4'
                               'B00B1ADPP0'
                                               'B00G0Q8N3U'
                                                              'B00DRML5LG
'B00II3KGFK'
                'B00IZTX4W4'
                               'B00JJAYSDC
                                               'B00H9A420C'
                                                              'B00JD9WTLM'
'B000E4C2MQ'
                'B00G008M7C
                               'B00JUAA8US'
                                               'B004NH2YL0'
                                                              'B00ING1Q4M'
'B0035I02RE'
                B00LMI4HWQ
                               'B00JTHU030'
                                               B0094FV550'
                                                              'B001NPD7BK'
'B00K9WZSQK'
                'B00JCSA1IW'
                               'B00JEJVXN6'
                                               'B00L3J029K'
                                                              'B00FRFRSFI',
'B00JPK2K0Y'
                'B00I020G0I',
                               'B00ARFLXWM',
                                               'B00A8XSG0K']
11284
['B00JBJHGBM'
                 'B00KXG8JHC'
                                'B00KCTER3U',
                                                'B00700H128'
                                                               'B00K58HQRM',
                               'B0036B3C0A',
'B00GYF65TK'
                B00GCQMSVA'
                                               B0069YCYB4'
                                                              'B00KAL5JAU'
'B00GFBWWWC'
                'B00C7DYBX0'
                               'B0083FNJH0'.
                                              'B004NMLN1Q',
                                                              'B00IZQ66V8',
                'B00CME22DK']
'B00GZ0WFQG'
        ['B00JZ057AE', 'B00G0JMIW0', 'B00JZSDW8A', 'B00804YM5S',
11286
                'B00GS01D90'
'B00BIY8NBU'
                               'B00BQGI9JQ',
                                               B00KDL1046'
                                                              'B00JSJHQP6'
                               'B00KCV24LK',
                'B00K14TLZK',
'B00DI9VELE'
                                               B00JY45SUU'
                                                              'B009S99Z8W'
'B00LZYW8P0'
                               'B008KJMI0E'
                                              'B0031ZV80S'
                                                              'B00F5064ZU'
               'B00H8ZU13G'
'B00JZK7QFS',
               'B009S3PZB0',
                               'B00JS3FJZQ',
                                               'B0072CUW02',
                                                              'B008MQG7U6',
```

```
'B00K4Q43ZS'
                'B00CGN9L08',
                               'B00DLAY0L0',
                                               'B00FIZMWMG'
                                                              'B00JSU430G'
'B00K9S353M'
                               'B00ANT06X0'
                                               'B006FLLWXM'
                                                              'B00DLAXX3W'
                'B00GI1Y07E',
'B00IXQH8E4'
                'B00L9K80EI'
                               'B000056JPJ'
                                               'B007XPBZPE'
                                                              'B00A1072TW'
'B00JND4MC2'
                ' B00E8LU0RY '
                               'B001T8UFTS'
                                               B00AR03HRG
                                                              'B001T8S7T8'
'B00K8LKZ1U'
                'B00HNXW24Y'
                               'B0001M3KKY'
                                               'B0007IFB2W'
                                                              'B00GNEKA1G'
                                                              'B0039P3G0A'
'B00HDZ7AUS'
                ' B00G00UC06 '
                               'B00JG6UDG0'
                                               'B00JQL3UVU'
'B00CGRMXT6',
                               'B005QTEGTQ',
                                               'B00FA8726C',
               'B003XW1EZM'.
                                                              'B00AWCNF90']
11289
['B00IAMTLS2'
                 'B00K1G0W5K'.
                                'B00JZVMT0U'
                                                'B00CWJZJAS'
                                                               'B00KTAJAIY'
'B00IBS9QC6'
                'B00JH1D0SM'
                               'B00L3LBUGI'
                                               B00L3K910W'
                                                              'B006ZA0A5Y'
'B004LJ0ZK6'
                'B00KEXR5IS
                               'B009A291L8
                                               B00JQ12U0M'
                                                              'B000EPA4FW'
'B007004PZ0'
                B004GEXU5S
                               'B00HJB180E'
                                               'B00KH6F6TM'
                                                              'B006I9R0BI'
'B00ID22PGE'
                'B001CLXNZ0'
                               'B00ADXRF7A
                                               'B001CM1XX8'
                                                              'B00J9SUTWS'
'B0057GUL5G'
                'B008R1F00A'
                               'B00DTV14JS'
                                               B00JC77VEK'
                                                              'B00KHH2V0Y
                                               'B00KCFAZTE'
'B0016836RY'
                               'B00JL2TURM'
                                                              'B00H3V0HRG'
               'B0040TW48Y'
'B00ICIL1L4'
                'B0072CZ050'
                               'B00EU3QQJM'
                                               'B001MA70F0
                                                              'B00KHV6TIE
'B002CSPKSU'
                'B001GI0W36'
                               'B00BVG9JF4
                                               'B007G5C2CG
                                                              'B008LU7ZVI'
'B009NP0NN2'
                'B001G7PJAC'
                               'B00EE79EZM'
                                               B00I4ZERGG'
                                                              'B005M31C2K',
'B00JIRRTYG'
                ' B0000536Y7 '
                               'B0089MU00S'
                                               B0047PTK0Q']
       ['B00GP184W0', 'B00G2I3CLI',
11339
                                       'B00KNS6VJI',
                                                      'B001ET7HJI',
                                               B00LAPC6B0'
'B00FJ0FJX8'
                'B001HTYJL0'
                               'B00JB50PUQ'
                                                              'B00K37I8U0'
'B000JE2C9Y'
                'B004MNRX4M'
                               'B001TUZSP2'
                                               B003GSKWRY'
                                                              'B0015NZ6FK'
'B000CCI4YU'
                'B004BARCP6'
                               'B00DW20MRA
                                               B00K1J3RI2
                                                              'B005BD7AHC
                'B00JUK0YG2'
'B00JTY6W04'
                               'B00920ZC3E'
                                               B009X0J8TC
                                                              'B000WNX21Y
'B00KKVHRW8'
                'B003FBPLZK
                               'B00HN8GKJ2
                                               'B000BW8ZFE'
                                                              'B00KMESLE6
'B00KGQ8Y2E'
                'B00JSSZL7M
                               B003CGJRNK
                                               'B0080X1JF4
                                                              'B005L8110K
'B00KXEIWNU'
                'B00GAXJLRE
                               'B00HY3WFEU
                                               ' B004BARCRY '
                                                              'B0032A4T7A
                                                              'B00C75KITE
'B00GID1TBW'
                'B00270UUFW'
                               'B00005TZU8'
                                               ' B004G90EU0 '
'B000F3N6RG'
               'B00C59JSP2'
                               'B00H5A5130'
                                               'B00GS01D90'
                                                              'B00H09L558'
'B005YUW7A2
                'B001EP086A'
                               'B000DZF7T6'
                                               'B00HXF7HZQ'
                                                              'B0044DEET2'
'B009653PPW',
                'B0044DEESS',
                               'B0070VXWD8',
                                               'B009416CVC',
                                                              'B00CE2JC9W'1
                          brand
                                  \
21
                            DHS
22
       KONSYL PHARMACEUTICALS
69
                          Suave
71
                           0lay
84
             L' Oreal Paris
11280
11284
11286
11289
11339
                                                               categories
21
                             [['Beauty', 'Hair Care', 'Conditioners']]
22
        [['Beauty', 'Skin Care', 'Body', 'Moisturizers', 'Lotions']]
```

```
[['Beauty', 'Hair Care', 'Shampoos']]
[['Beauty', 'Skin Care', 'Face', 'Toners & Astringents']]
[['Beauty', 'Skin Care', 'Eyes', 'Dark Circle Treatments']]
[['Beauty', 'Skin Care', 'Skin Care']]
[['Beauty', 'Skin Care', 'Face', 'Oils & Serums']]
[['Beauty', 'Hair Care', 'Styling Tools', 'Brushes']]
[['Beauty', 'Skin Care', 'Face', 'Cleansers']]
[['Beauty', 'Skin Care', 'Eyes', 'Masks']]
```

description \

21

DHS Conditioning Rinse is specially formulated for dermatological hair care.DHS Conditioning Rinse helps control static electricity, eliminate tangles, mend split ends and improve elasticity.DHS Conditioning Rinse helps make hair easier to comb and manage while adding luster and body.

22

Natural fiber therapy bulk-forming laxativevery low sodiumno sugar or sugar substitutes100% psylliumdoctor recommended for over 35 years 69

Gentle Cleansing with a Fragrant Natural Scent for All Hair TypesSuave® Naturals Fresh Mountain Strawberry Shampoocombines the fragrance of freshly-picked mountain strawberries in a formula with gentle cleansers to enhance fullness and bring out the natural beauty of all hair types. Treat yourself and your hair to the long-lasting beauty and fresh fragrance of Fresh Mountain Strawberry.The Suave Promise:We guarantee your full satisfaction or we will replace or refund your purchase. For details, comments or questions, please visitwww.Suave.comor call 1-800-782-8301.

71

Cleans and Refreshes without Overdrying.Low Alcohol Formula. Dermatologist Tested. Contains Aloe and Witch Hazel.Benefits:CLEANS - Removes dirt, oil and make-up without stripping skin's essential moisture.REFRESHES-Leaves skin feeling cool and wonderfully fresh.TONES-Mild formula with added Aloe and Witch Hazel tones skin gently.

84

This light, non-greasy gel-cream is specially formulated to defend against signs of premature aging around the eyes. Liposomes penetrate the skin's surface to deliver hydrating and nurturing ingredients. Reduces puffiness, smoothes fine line and wrinkles, and diminishes dark circles around the eyes. Dermatologically tested for gentleness. Ophthalmologist tested, safe for contact lens wearers. Fragrance-free.

• • •

11280

Potent Phytoceramide 350mg Formula by Bodishape for Fast Effective

Results*** 83% Decrease in Wrinkles and Fine Lines ****** 92% Increase in Collagen Production ***** 65% Decrease in the Appearance of Dark Circles ***Clinical studies have found Phytoceramides to:- Increase skin hydration - Promote Skin Smoothness- Reduce the appearance of crow's feet, fine lines & wrinkles- Repair Damaged Skin, Nourish, Restore, and Strengthen New Collagen- Improves skin firmness and elasticity making you look younger- Reduces Itchiness and Redness so your skin looks healthy• Our product is manufactured in the United States under Good Manufacturing Practices (GMP) and the highest level of quality control.Try Phytoceramides by Bodishape todayAll-natural face-lift in a bottle100% UNCONDITIONAL MONEY BACK GUARANTEEORDER NOW BEFORE STOCKS RUN OUT!

Buy Our Matrixyl 3000 SERUM If You Are Looking For Great Result !!!Do You Suffer From the Following Skin Problems? • •Loose and Sagging skin around your face, eyes, neck and decollate. • •Fine Lines, wrinkles and Crow's feet. • •Dark circles and puffiness around the eyes. • •Dull and uneven Skin tone and complexion. • •Dry or Irritated Skin.Our Promise of What Our Serum Will Do To Your Skin: • •Achieve instant tightening, smoothing, firming and lifting of the Skin. • •Reduce and Prevent fine lines, wrinkles and crow's feet by increasing skin elasticity. • •Decrease, treat and Prevent Dark Circles and Puffiness around the eyes. • • Brighten and Even out Skin tone and Complexion. • • Visibly Hydrate the Skin for a younger and More radiant Skin. • Soft and radiant skin. ★ Our serum is made with 100% natural ingredients in the USA at an FDA approved facility. ★ We produce in small batches to quarantee freshness and potency. ★ Try it RISK-FREE with our 90 days 100% money back guarantee - even if the bottle is empty!Click The Yellow Add TO Cart Button TO Buy NOW Before it Runs Out. YOU'VE GOT NOTHING TO LOSE, BUT FABULICIOUS BEAUTY TO GAIN. 11286

Alaska Bear-Enhance your LifeDescription:No More Tangles, No More Pains for Teen Girls, Boys, Men & Women!Soft, Flexible Bristles Detangle Hair with Ease Works Great on Wet and Dry Hair, Perfect for Everyone.Eliminate tangles quickly and painlessly with Alaska Bear Shower Brush.

11289 When you wash that concealer off... you're still riddled with acne!No matter how much cover-up you use, it does not get rid of the problem. All you've done is trick yourself into thinking no-one will notice. What they do see is humps and bumps caked over with cruddy makeup. You wash you face in front of the mirror and bright red ugly zits stare right back at youWhy suffer? There's a simple and effective answer.Our face cleanser is a specially balanced, deep cleansing formula featuring Salicylic Acid penetrates into pores to dramatically

decrease sebum production and fight acne causing bacteria. It soothes acne associated irritation, inflammation and redness with more than 15 nourishing botanical extracts and essential oils.Provides mild exfoliation of dead skin cells from within the follicle, keeping the pores clear of cellular debris thus reducing the number of breakouts.-Uses groundbreaking acne clearing ingredients that penetrate deep within the pores- Reduces 99% of acne-causing bacteria dead; preventing breakouts before they start- Clears away cellular debris and keeps the pores clear- Moisturizes and improves complexion to help retain a healthy glow, leaving skin smooth and softDon't just wash your face, sanitize it using this clinically proven product. Specifically formulated for acne sufferers to totally cleanse the facial area, and give you healing to be happy with. Hollywood Starshave paid dermatologists a fortune to obtain the benefits that our range of acne treatment products give. You don't have to pay that amount...You too can have clear, blemish free natural skin!Full 90-Day Money-Back Guarantee. So nothing to lose and a naturally clear complexion to gain! You deserve that Hollywood Star complexion too, don't you?Hit thatAdd to Cartbutton now 11339

Do You Want To Improve Your Sleep? Then get the Perfect Sleep Mask on the market which will help to Restore your Sleep and eventually Improve your Health & EnergyHave you ever purchased a sleep mask that let the light in, was uncomfortable and worst of all, broke after a few uses? Or do you struggle to sleep at night due to your partner watching TV or reading or even during the day due to your shift working hours?Problem Solved!With the Perfect Sleep Mask, you can block out the light and get to sleep quickly. Get the Best with Perfect Sleep MaskIt's the perfect solution to ensure that you get a good night's sleep and wake up feeling refreshed the next day.Get The Benefits of the Perfect Sleep/Eye Mask-It blocks out the light-It is soft and feather light-Ideal for men, women and children-Adjustable straps to fit all head sizes-Perfect for shift workers or a nap during the day-Easily fits into your bag-Has a fast and convenient velcro fastener-Includes Free Earplugs-The strap has 2 holders for your ear plugs, so they never get lost or misplaced-Hand washable with warm waterOur Guarantee To You. Your satisfaction is our top priority. If for any reason you are not 100% happy with your purchase, we have a 90-day, money back quarantee. Let us know and we will refund the full price of your order. No questions asked.Click Add To Cart at the top of this page and get yours NOW. While It's Still In Stock

```
price
                                       salesRank \
21
       10.12
                                {'Beauty': 8864}
22
       14.29
              {'Health & Personal Care': 11183}
                               {'Beauty': 63163}
69
        3.71
                              {'Beauty': 118863}
71
        4.95
84
        5.30
                               {'Beauty': 18260}
                               {'Beauty': 21659}
11280 34.95
```

```
11284 29.99
                              {'Beauty': 25986}
                              {'Beauty': 31834}
11286
      6.99
11289
      35.77
                              {'Beauty': 8809}
11339 10.75
                 {'Home & Kitchen': 20597}
title \
21
DHS Conditioning Rinse With Panthenol 8 fl oz
22
Konsyl Pharmaceuticals Psyllium Fiber 15.9 oz
Suave Naturals Shampoo, Sun Ripened Strawberry 22.5oz
71
Olay Daily Care Refreshing Toner, 7.2-Fluid Ounce
L'Oreal Paris Eye Defense, 0.5 Fluid Ounce
. . .
11280 Phytoceramides - Miracle Phytoceramides 350mg Softgel Capsules
as Recommended by DR Oz ***VEGAN SAFE, NON-GMO & amp; GLUTEN FREE *** -
Plant Derived Anti-aging Formula - 100% All Natural - Clinically
Proven Anti-Wrinkle Active Ingredients *** MADE IN USA *** Your
Ultimate Skin Restoring Supplement- Natural Facelift- Use With
Bodiskincare Hyaluronic Acid Serum and Matrixyl 3000 Moisurizer for
Optimum Results - ***THE ONLY ONE WITH AN UNCONDITIONAL 100% MONEY
BACK GUARANTEE***
11284
Best Anti- aging Cream to Curb Wrinkles. Anti-aging Moisturizers with
Peptides, Vitamin C and Hyaluronic Acid. #1 Anti-Wrinkle Cream. Use it
for Pain Free Rejuvenation and Restoration of Skin without Painful
Injections. Lifting and Firming Cream. Comes With 100 percent Money
Back Guarantee !!!.
11286
Alaska Bear® Hot Pink Hair Brush Professional Detangling Shower
Brush for Wet or Dry Hair(Nice pack, best gift for Women and Teen
girls)
11289
Acne Face Wash - Acne Cleanser moisturizing, mild and effective
11339
Perfect Sleep Mask with Ear Plugs - Ideal Eye Mask for Shift Workers,
Long Flights, Short Naps, etc - A Perfect help during summer /
daylight time - Soft, Comfortable & Extreme Quality - Prevents
light fully and facilitates a good sleep - A Natural Sleep Aid for
Sleep Disorders and Insomnia - Wide Strap with Velcro for perfect
adjustment and Earplugs Holder - Satisfaction Guaranteed
       SpecialPrice IsAvailable Platform
```

True

True

Amazon

Amazon

21

22

10.12

14.29

```
69
                3.71
                             True
                                     Amazon
                4.95
71
                             True
                                     Amazon
84
                5.30
                             True
                                     Amazon
                               . . .
. . .
                                        . . .
11280
              34.95
                             True
                                     Amazon
11284
              29.99
                             True
                                     Amazon
11286
               6.99
                             True
                                     Amazon
11289
              35.77
                             True
                                     Amazon
11339
              10.75
                             True
                                     Amazon
[720 rows x 15 columns]
df.shape
(720, 15)
df.isnull().sum()
Unnamed: 0
                      0
asin
                      0
                      0
avg.rating
avg.helpful.ratio
                      0
also bought
                      0
also viewed
                      0
brand
                      0
                      0
categories
description
                      0
                      0
price
                      0
salesRank
title
                      0
SpecialPrice
                      0
IsAvailable
                      0
Platform
                      0
dtype: int64
PREPROCESSING BIGBASKET DATASET
df bigbasket =pd.read csv("/content/drive/MyDrive/BigBasket
Products.csv")
df bigbasket.head()
                                                             product \
   index
                            Garlic Oil - Vegetarian Capsule 500 mg
0
       1
1
       2
                                              Water Bottle - Orange
2
       3
                                     Brass Angle Deep - Plain, No.2
3
          Cereal Flip Lid Container/Storage Jar - Assorted Colour
                                Creme Soft Soap - For Hands & Body
4
                  category
                                      sub_category
                                                                  brand
                                         Hair Care Sri Sri Ayurveda
0
         Beauty & Hygiene
   Kitchen, Garden & Pets Storage & Accessories
1
                                                            Mastercook
```

Nakoda	
Nakuud	3
Nivea)
rating \	
4.1	
2.3	
3.4	
3.7	
4.4	
	2.3 3.4 3.7

Daada Naada

description

Classian C Hausahalal

0

This Product contains Garlic Oil that is known to help proper digestion, maintain proper cholesterol levels, support cardiovascular and also build immunity. For Beauty tips, tricks & more visit https://bigbasket.blog/

1

Each product is microwave safe (without lid), refrigerator safe, dishwasher safe and can also be used for re-heating food and not for cooking. All containers come with airtight lids and a wide variety of attractive colours. Stack these stylish and colourful containers in your kitchen with ease and for a look-good factor.

2

A perfect gift for all occasions, be it your mother, sister, in-laws, boss or your friends, this beautiful designer piece wherever placed, is sure to beautify the surroundings Traditional design This type diya has been used for Diwali and All other Festivals for centuries. Sturdy and easy to carry The feet keep it balanced to ensure safety. Wonderful Oil Lamp made in Brass also called as Jyoti. This is a handcrafted piece of Indian brass Deepak.

Multipurpose container with an attractive design and made from food-grade plastic for your hygiene and safety ideal for storing pulses. Grains, spices, and more with easy opening and closing flipopen lid. Strong, durable and transparent body for longevity and easy identification of contents. Multipurpose storage solution for your daily needs stores your everyday food essentials in style with the Nakoda container set. With transparent bodies, you can easily identify your stored items without having to open the lids. These containers are ideal for storing a large variety of items such as food grains, snacks and pulses to sugar, spices, condiments and more. Featuring unique flip-open lids, you can easily open and close this container without any hassles.\nThe Nakoda container is made from high-quality food-grade and BPA-free plastic that is 100% safe for storing food items. You can safely store your food items in this container without worrying about contamination and harmful toxins. As they are constructed using highly durable virgin plastic, this container will last for a long time even with regular use. This container can enhance the overall look of your kitchen decor. Being dishwasher safe,

```
cleaning and maintaining this container is an easy task. You can also
use a simple soap solution to manually wash and retain their looks for
a long time.
Nivea Creme Soft Soap gives your skin the best care that it must get.
The soft bar consists of Vitamins F and Almonds which are really skin
gracious and help you get great skin. It provides the skin with
moisture and leaves behind flawless and smooth skin. It makes sure
that your body is totally free of germs & dirt and at the same time
well nourished. For Beauty tips, tricks & more visit
https://bigbasket.blog/
df bigbasket['rating'].unique()
array([4.1, 2.3, 3.4, 3.7, 4.4, 3.3, 3.6, 4. , 3.5, 4.3, 2.2, 5. ,
3.8,
       4.2, 4.9, 3.9, 1.5, 2.9, 2.6, 3., 4.5, nan, 1., 4.6, 4.8,
3.1,
       2., 1.8, 2.8, 3.2, 4.7, 2.5, 2.4, 2.7, 2.1, 1.7, 1.9, 1.2,
1.3,
       1.4, 1.61)
df bigbasket['Category'] = CONST PRODUCT BEVERAGES
df bigbasket['Platform'] = CONST PLATFORM BIGBASKET
df bigbasket.columns
Index(['index', 'product', 'category', 'sub category', 'brand',
'sale price',
       'market price', 'type', 'rating', 'description', 'Category',
       'Platform'l,
      dtype='object')
df bigbasket.dtypes
index
                  int64
product
                 object
category
                 object
sub category
                 obiect
brand
                 object
sale price
                float64
market price
                float64
                 object
type
                float64
rating
description
                 object
Category
                 object
Platform
                 object
dtype: object
df bigbasket[df bigbasket['rating'] != CONST NOT APPLICABLE].head()
```

```
index
                                                          product \
                           Garlic Oil - Vegetarian Capsule 500 mg
0
       1
1
       2
                                            Water Bottle - Orange
2
       3
                                   Brass Angle Deep - Plain, No.2
3
         Cereal Flip Lid Container/Storage Jar - Assorted Colour
                               Creme Soft Soap - For Hands & Body
4
                 category
                                    sub category
                                                              brand \
0
         Beauty & Hygiene
                                       Hair Care Sri Sri Ayurveda
1
  Kitchen, Garden & Pets Storage & Accessories
                                                         Mastercook
2
     Cleaning & Household
                                     Pooja Needs
                                                                Trm
3
     Cleaning & Household
                            Bins & Bathroom Ware
                                                             Nakoda
4
                                Bath & Hand Wash
         Beauty & Hygiene
                                                              Nivea
              market price
   sale price
                                                 type
                                                       rating \
                                     Hair Oil & Serum
0
        220.0
                      220.0
                                                          4.1
1
        180.0
                      180.0
                               Water & Fridge Bottles
                                                          2.3
2
                      250.0
                                                          3.4
        119.0
                                      Lamp & Lamp Oil
3
        149.0
                      176.0
                             Laundry, Storage Baskets
                                                          3.7
4
        162.0
                      162.0
                                 Bathing Bars & Soaps
                                                          4.4
description \
This Product contains Garlic Oil that is known to help proper
digestion, maintain proper cholesterol levels, support cardiovascular
and also build immunity. For Beauty tips, tricks & more visit
https://bigbasket.blog/
Each product is microwave safe (without lid), refrigerator safe,
dishwasher safe and can also be used for re-heating food and not for
cooking. All containers come with airtight lids and a wide variety of
attractive colours. Stack these stylish and colourful containers in
your kitchen with ease and for a look-good factor.
A perfect gift for all occasions, be it your mother, sister, in-laws,
boss or your friends, this beautiful designer piece wherever placed,
is sure to beautify the surroundings Traditional design This type diva
has been used for Diwali and All other Festivals for centuries. Sturdy
and easy to carry The feet keep it balanced to ensure safety.
Wonderful Oil Lamp made in Brass also called as Jyoti. This is a
handcrafted piece of Indian brass Deepak.
  Multipurpose container with an attractive design and made from
food-grade plastic for your hygiene and safety ideal for storing
pulses. Grains, spices, and more with easy opening and closing flip-
open lid. Strong, durable and transparent body for longevity and easy
identification of contents. Multipurpose storage solution for your
daily needs stores your everyday food essentials in style with the
```

Nakoda container set. With transparent bodies, you can easily identify your stored items without having to open the lids. These containers

are ideal for storing a large variety of items such as food grains, snacks and pulses to sugar, spices, condiments and more. Featuring unique flip-open lids, you can easily open and close this container without any hassles.\nThe Nakoda container is made from high-quality food-grade and BPA-free plastic that is 100% safe for storing food items. You can safely store your food items in this container without worrying about contamination and harmful toxins. As they are constructed using highly durable virgin plastic, this container will last for a long time even with regular use. This container can enhance the overall look of your kitchen decor. Being dishwasher safe, cleaning and maintaining this container is an easy task. You can also use a simple soap solution to manually wash and retain their looks for a long time.

4

product url \

vzetthbb?pid=SRTEH2FF9KEDEFGF

Nivea Creme Soft Soap gives your skin the best care that it must get. The soft bar consists of Vitamins F and Almonds which are really skin gracious and help you get great skin. It provides the skin with moisture and leaves behind flawless and smooth skin. It makes sure that your body is totally free of germs & dirt and at the same time well nourished. For Beauty tips, tricks & more visit https://bigbasket.blog/

```
Category
             Platform
O Beverages BigBasket
1 Beverages BigBasket
2 Beverages BigBasket
3 Beverages BigBasket
4 Beverages BigBasket
PREPROCESSING FLIPKART DATASET
df flipkart = pd.read csv("/content/drive/MyDrive/flipkart com-
ecommerce sample.csv")
df flipkart.head()
                           unig id
                                              crawl timestamp
  c2d766ca982eca8304150849735ffef9
                                    2016-03-25 22:59:23 +0000
1
  7f7036a6d550aaa89d34c77bd39a5e48
                                    2016-03-25 22:59:23 +0000
  f449ec65dcbc041b6ae5e6a32717d01b 2016-03-25 22:59:23 +0000
                                    2016-03-25 22:59:23 +0000
  0973b37acd0c664e3de26e97e5571454
  bc940ea42ee6bef5ac7cea3fb5cfbee7 2016-03-25 22:59:23 +0000
```

1
http://www.flipkart.com/fabhomedecor-fabric-double-sofa-bed/p/itmeh3qg
famccfpy?pid=SBEEH3QGU7MFYJFY

http://www.flipkart.com/alisha-solid-women-s-cycling-shorts/p/itmeh2ff

```
http://www.flipkart.com/aw-bellies/p/itmeh4grgfbkexnt?
pid=SH0EH4GRSUBJGZXE
http://www.flipkart.com/alisha-solid-women-s-cycling-shorts/p/itmeh2f6
sdgah2pg?pid=SRTEH2F6HUZMQ6SJ
http://www.flipkart.com/sicons-all-purpose-arnica-dog-shampoo/p/itmeh3
zyw2vhqsp5?pid=PS0EH3ZYDMSYARJ5
                            product name \
     Alisha Solid Women's Cycling Shorts
0
1
     FabHomeDecor Fabric Double Sofa Bed
2
                              AW Bellies
     Alisha Solid Women's Cycling Shorts
3
  Sicons All Purpose Arnica Dog Shampoo
product category tree \
   ["Clothing >> Women's Clothing >> Lingerie, Sleep & Swimwear >>
Shorts >> Alisha Shorts >> Alisha Solid Women's Cycling Shorts"]
                ["Furniture >> Living Room Furniture >> Sofa Beds &
Futons >> FabHomeDecor Fabric Double Sofa Bed (Finish Colo..."]
["Footwear >> Women's Footwear >> Ballerinas >> AW Bellies"]
3 ["Clothing >> Women's Clothing >> Lingerie, Sleep & Swimwear >>
Shorts >> Alisha Shorts >> Alisha Solid Women's Cycling Shorts"
                      ["Pet Supplies >> Grooming >> Skin & Coat Care
>> Shampoo >> Sicons All Purpose Arnica Dog Shampoo (500 ml)"]
                pid
                     retail price discounted price \
  SRTEH2FF9KEDEFGF
                            999.0
                                              379.0
  SBEEH30GU7MFYJFY
                          32157.0
                                            22646.0
1
  SH0EH4GRSUBJGZXE
                            999.0
                                              499.0
  SRTEH2F6HUZMQ6SJ
                            699.0
                                              267.0
4 PS0EH3ZYDMSYARJ5
                            220.0
                                              210.0
image \
["http://img5a.flixcart.com/image/short/u/4/a/altht-3p-21-alisha-38-
original-imaeh2d5vm5zbtgg.jpeg",
"http://img5a.flixcart.com/image/short/p/j/z/altght4p-26-alisha-38-
original-imaeh2d5kbufss6n.jpeg",
"http://img5a.flixcart.com/image/short/p/j/z/altght4p-26-alisha-38-
original-imaeh2d5npdybzyt.jpeg",
"http://img5a.flixcart.com/image/short/z/j/7/altght-7-alisha-38-
original-imaeh2d5jsz2ghd6.jpeg"]
   ["http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-
foam-fabhomedecor-leatherette-black-leatherette-1100x1100-
```

```
imaeh3gemijcg9ta.jpeg",
"http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3gemjjcg9ta.jpeg",
"http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3genfxkgvuv.ipeg".
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3ge2sfeczef.jpeg",
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3geuy7d74g2.jpeg",
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3gerfhdxzwi.ipeg"]
["http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-
original-imaeebfwsdf6jdf6.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfwsdf6jdf6.jpeg",
"http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfwt8zqc5cy.jpeq",
"http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfwhz5f8v6m.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeeducshzc6pbz.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfw2veeuz8s.jpeg"]
3
["http://img5a.flixcart.com/image/short/6/2/h/altght-11-alisha-38-
original-imaeh2d5uq9thnyg.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5jxvh4msy.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5yz9fcjxe.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5fa94gzuy.jpeg",
"http://img6a.flixcart.com/image/short/x/5/f/altght-2-alisha-36-
original-imaeh2d5xnueazgz.jpeg"]
["http://img5a.flixcart.com/image/pet-shampoo/r/j/5/sh-df-14-sicons-
500-1100x1100-imaeh3hfvav85tva.jpeg",
"http://img5a.flixcart.com/image/pet-shampoo/r/j/5/sh-df-14-sicons-
500-original-imaeh3hfvav85tva.jpeg"]
   is FK Advantage product \
0
                     False
1
                     False
2
                     False
```

False False

description \

Key Features of Alisha Solid Women's Cycling Shorts Cotton Lycra Navy, Red, Navy, Specifications of Alisha Solid Women's Cycling Shorts Shorts Details Number of Contents in Sales Package Pack of 3 Fabric Cotton Lycra Type Cycling Shorts General Details Pattern Solid Ideal For Women's Fabric Care Gentle Machine Wash in Lukewarm Water, Do Not Bleach Additional Details Style Code ALTHT 3P 21 In the Box 3 shorts

FabHomeDecor Fabric Double Sofa Bed (Finish Color - Leatherette Black Mechanism Type - Pull Out) Price: Rs. 22,646 • Fine deep seating experience • Save Space with the all new click clack Sofa Bed • Easy to fold and vice versa with simple click clack mechanism • Chrome legs with mango wood frame for long term durability • Double cushioned Sofa Bed to provide you with extra softness to make a fine seating experience • A double bed that can easily sleep two, Specifications of FabHomeDecor Fabric Double Sofa Bed (Finish Color - Leatherette Black Mechanism Type - Pull Out) Installation & Demo Installation & Demo Details Installation and demo for this product is done free of cost as part of this purchase. Our service partner will visit your location within 72 business hours from the delivery of the product. In The Box 1 Sofa Bed General Brand FabHomeDecor Mattress Included No Delivery Condition Knock Down Storage Included No Mechanism Type Pull Out Type Sofa Bed Style Contemporary & Modern Filling Material Microfiber Seating Capacity 3 Seater Upholstery Type NA Upholstery Included No Bed Size Double Shape Square Suitable For Living Room Model Number FHD112 Care Instructions Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled bru...View More Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled brush attachment or lightly brush them to keep general dirt and dust off the sofa and prevent any embedding between the fibres, Try to avoid food and drink spillage of any kind, If spills occur, do not leave unattended, In case of a stain, a waterfree fabric cleaner can be used, However, avoid applying the cleaner directly on the stain as this can cause damage to the fabric and fade colour, Pour the cleaner onto a clean cloth and test its effect on a hidden area of the sofa before cleaning the stain with the cloth, A professional scotchquard treatment is one of the easiest and most effective options to protect against spills or stains and keep pet hair at bay, Getting your sofa professionally cleaned once every 6-8

months will not only take care of the nooks and corners that you can't reach, it will also make it more durable Finish Type Matte Important Note Cancellation NOT allowed for this product after 24 hrs of order booking. Warranty Covered in Warranty Warranty covers all kind of manufacturing defects. Concerned product will either be repaired or replaced based on discretion. Service Type Manufacturer Warranty Warranty Summary 6 Months Domestic Warranty Not Covered in Warranty Warranty does not cover for Improper Handling Dimensions Weight 40 kg Height 838 mm Width 1905 mm Depth 939 mm Disclaimer - The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings -Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit through...View More - The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings - Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit through the entrance(s) and door(s) of the premises - Please expect an unevenness of up to 5 mm in the product due to differences in surfaces and floor levels -Flipkart, or the Seller delivering the product, will not take up any type of civil work, such as drilling holes in the wall to mount the product. The product will only be assembled in case carpentry assembly is required - In case the product appears to lack shine, wiping the surface with a cloth will help clear the surface of dust particles Material & Color Upholstery Color Leatherette Black Primary Color Black Primary Material Fabric Secondary Material Subtype Mango Wood Secondary Material Foam Finish Color Leatherette Black Primary Material Subtype Foam

Key Features of AW Bellies Sandals Wedges Heel Casuals, AW Bellies Price: Rs. 499 Material: Synthetic Lifestyle: Casual Heel Type: Wedge Warranty Type: Manufacturer Product Warranty against manufacturing defects: 30 days Care instructions: Allow your pair of shoes to air and de-odorize at regular basis; use shoe bags to prevent any stains or mildew; dust any dry dirt from the surface using a clean cloth; do not use polish or shiner, Specifications of AW Bellies General Ideal For Women Occasion Casual Shoe Details Color Red Outer Material Patent Leather Heel Height 1 inch Number of Contents in Sales Package Pack of 1 In the Box One Pair Of Shoes

Key Features of Alisha Solid Women's Cycling Shorts Cotton Lycra Black, Red, Specifications of Alisha Solid Women's Cycling Shorts Shorts Details Number of Contents in Sales Package Pack of 2 Fabric Cotton Lycra Type Cycling Shorts General Details Pattern Solid Ideal For Women's Fabric Care Gentle Machine Wash in Lukewarm Water, Do Not Bleach Additional Details Style Code ALTGHT_11 In the Box 2 shorts 4

Specifications of Sicons All Purpose Arnica Dog Shampoo (500 ml) General Pet Type Dog Brand Sicons Quantity 500 ml Model Number SH.DF- 14 Type All Purpose Fragrance Arnica Form Factor Liquid In the Box Sales Package Shampoo Sicons Dog Fashion Arnica

product rating

overall rating

brand \

```
No rating available
                        No rating available
                                                    Alisha
1
  No rating available
                        No rating available FabHomeDecor
  No rating available
                        No rating available
                                                        ΑW
  No rating available
                        No rating available
                                                    Alisha
                        No rating available
  No rating available
                                                    Sicons
product specifications
{"product specification"=>[{"key"=>"Number of Contents in Sales
Package", "value"=>"Pack of 3"}, {"key"=>"Fabric", "value"=>"Cotton
Lycra"}, {"key"=>"Type", "value"=>"Cycling Shorts"},
{"key"=>"Pattern", "value"=>"Solid"}, {"key"=>"Ideal For",
"value"=>"Women's"}, {"value"=>"Gentle Machine Wash in Lukewarm Water,
Do Not Bleach"}, {"key"=>"Style Code", "value"=>"ALTHT_3P_21"},
{"value"=>"3 shorts"}]}
1 {"product specification"=>[{"key"=>"Installation & Demo Details",
"value"=>"Installation and demo for this product is done free of cost
as part of this purchase. Our service partner will visit your location
within 72 business hours from the delivery of the product."},
{"value"=>"1 Sofa Bed"}, {"key"=>"Brand", "value"=>"FabHomeDecor"},
{"key"=>"Mattress Included", "value"=>"No"}, {"key"=>"Delivery
Condition", "value"=>"Knock Down"}, {"key"=>"Storage Included",
"value"=>"No"}, {"key"=>"Mechanism Type", "value"=>"Pull Out"},
{"key"=>"Type", "value"=>"Sofa Bed"}, {"key"=>"Style",
"value"=>"Contemporary and Modern"}, {"key"=>"Filling Material",
"value"=>"Microfiber"}, {"key"=>"Seating Capacity", "value"=>"3
Seater"}, {"key"=>"Upholstery Type", "value"=>"NA"},
{"key"=>"Upholstery Included", "value"=>"No"}, {"key"=>"Bed Size",
"value"=>"Double"}, {"key"=>"Shape", "value"=>"Square"},
{"key"=>"Suitable For", "value"=>"Living Room"}, {"key"=>"Model
Number", "value"=>"FHD112"}, {"key"=>"Care Instructions",
"value"=>"Avoid outdoor use and exposure to water or prolonged
moisture, Avoid exposure to direct heat or sunlight as this can cause
the sofa colour to fade, Keep sharp objects away from your sofa, A
little tear on the fabric cover may be hard to repair, Vacuum your
sofas periodically with a soft bristled bru...View More Avoid outdoor
use and exposure to water or prolonged moisture, Avoid exposure to
direct heat or sunlight as this can cause the sofa colour to fade,
Keep sharp objects away from your sofa, A little tear on the fabric
cover may be hard to repair, Vacuum your sofas periodically with a
soft bristled brush attachment or lightly brush them to keep general
dirt and dust off the sofa and prevent any embedding between the
fibres, Try to avoid food and drink spillage of any kind, If spills
occur, do not leave unattended, In case of a stain, a water-free
fabric cleaner can be used, However, avoid applying the cleaner
```

```
directly on the stain as this can cause damage to the fabric and fade
colour, Pour the cleaner onto a clean cloth and test its effect on a
hidden area of the sofa before cleaning the stain with the cloth, A
professional scotchquard treatment is one of the easiest and most
effective options to protect against spills or stains and keep pet
hair at bay, Getting your sofa professionally cleaned once every 6-8
months will not only take care of the nooks and corners that you can't
reach, it will also make it more durable"}, {"key"=>"Finish Type",
"value"=>"Matte"}, {"value"=>"Cancellation NOT allowed for this
product after 24 hrs of order booking."}, {"value"=>"- The color of
the product may vary slightly compared to the picture displayed on
your screen. This is due to lighting, pixel quality and color settings
- Please check the product's dimensions to ensure the product will fit
in the desired location. Also, check if the product will fit
through...View More - The color of the product may vary slightly
compared to the picture displayed on your screen. This is due to
lighting, pixel quality and color settings - Please check the
product's dimensions to ensure the product will fit in the desired
location. Also, check if the product will fit through the entrance(s)
and door(s) of the premises - Please expect an unevenness of up to 5
mm in the product due to differences in surfaces and floor levels -
Flipkart, or the Seller delivering the product, will not take up any
type of civil work, such as drilling holes in the wall to mount the
product. The product will only be assembled in case carpentry assembly
is required - In case the product appears to lack shine, wiping the
surface with a cloth will help clear the surface of dust particles"},
{"key"=>"Covered in Warranty", "value"=>"Warranty covers all kind of
manufacturing defects. Concerned product will either be repaired or
replaced based on discretion."}, {"key"=>"Service Type",
"value"=>"Manufacturer Warranty"}, {"key"=>"Warranty Summary",
"value"=>"6 Months Domestic Warranty"}, {"key"=>"Not Covered in
Warranty", "value"=>"Warranty does not cover for Improper Handling"},
{"key"=>"Weight", "value"=>"40 kg"}, {"key"=>"Height", "value"=>"838
mm"}, {"key"=>"Width", "value"=>"1905 mm"}, {"key"=>"Depth",
"value"=>"939 mm"}, {"key"=>"Upholstery Color", "value"=>"Leatherette
Black"}, {"key"=>"Primary Color", "value"=>"Black"}, {"key"=>"Primary
Material", "value"=>"Fabric"}, {"key"=>"Secondary Material Subtype",
"value"=>"Mango Wood"}, {"key"=>"Secondary Material",
"value"=>"Foam"}, {"key"=>"Finish Color", "value"=>"Leatherette
Black"}, {"key"=>"Primary Material Subtype", "value"=>"Foam"}]}
{"product specification"=>[{"key"=>"Ideal For", "value"=>"Women"},
{"key"=>"Occasion", "value"=>"Casual"}, {"key"=>"Color",
"value"=>"Red"}, {"key"=>"Outer Material", "value"=>"Patent Leather"},
{"key"=>"Heel Height", "value"=>"1 inch"}, {"key"=>"Number of Contents
in Sales Package", "value"=>"Pack of 1"}, {"value"=>"One Pair Of
Shoes"}1}
{"product specification"=>[{"key"=>"Number of Contents in Sales
Package", "value"=>"Pack of 2"}, {"key"=>"Fabric", "value"=>"Cotton
```

```
Lycra"}, {"key"=>"Type", "value"=>"Cycling Shorts"},
{"key"=>"Pattern", "value"=>"Solid"}, {"key"=>"Ideal For",
"value"=>"Women's"}, {"value"=>"Gentle Machine Wash in Lukewarm Water,
Do Not Bleach"}, {"key"=>"Style Code", "value"=>"ALTGHT 11"},
{"value"=>"2 shorts"}]}
{"product specification"=>[{"key"=>"Pet Type", "value"=>"Dog"},
{"key"=>"Brand", "value"=>"Sicons"}, {"key"=>"Quantity", "value"=>"500
ml"}, {"key"=>"Model Number", "value"=>"SH.DF-14"}, {"key"=>"Type",
"value"=>"All Purpose"}, {"key"=>"Fragrance", "value"=>"Arnica"},
{"key"=>"Form Factor", "value"=>"Liquid"}, {"key"=>"Sales Package",
"value"=>"Shampoo Sicons Dog Fashion Arnica"}]}
df flipkart.shape
(20000, 15)
df flipkart['Platform'] = CONST_PLATFORM_FLIPKART
df flipkart.columns
Index(['uniq_id', 'crawl_timestamp', 'product_url', 'product_name',
        'product_category_tree', 'pid', 'retail_price',
'discounted_price',
        'image', 'is FK Advantage product', 'description',
'product rating'
        'overall rating', 'brand', 'product specifications',
'Platform'],
      dtype='object')
#COMBINING ALL THE PLATFORM DATA TOGETHER
df all platforms = pd.concat([df amazon, df bigbasket, df flipkart],
axis=0)
df all platforms.columns
Index(['Unnamed: 0', 'asin', 'avg.rating', 'avg.helpful.ratio',
'also bought',
        'also viewed', 'brand', 'categories', 'description', 'price',
       'salesRank', 'title', 'SpecialPrice', 'IsAvailable',
'Platform',
       'index', 'product', 'category', 'sub_category', 'sale_price',
        'market_price', 'type', 'rating', 'Category', 'uniq_id',
'crawl_timestamp', 'product_url', 'product_name',
       'product category tree', 'pid', 'retail price',
'discounted price',
       'image', 'is FK Advantage product', 'product rating',
'overall rating',
        product_specifications'],
      dtvpe='object')
df all platforms.dtypes
```

```
Unnamed: 0
                            float64
asin
                             object
                            float64
avg.rating
avg.helpful.ratio
                            float64
also bought
                             object
also viewed
                             object
brand
                             object
categories
                             object
description
                             object
                            float64
price
salesRank
                             object
title
                             object
SpecialPrice
                            float64
IsAvailable
                             object
Platform
                             object
index
                            float64
product
                             object
category
                             object
                             object
sub category
sale price
                            float64
market price
                            float64
                             object
type
rating
                            float64
Category
                             object
uniq id
                             object
crawl timestamp
                             object
product_url
                             object
product name
                             object
product category tree
                             object
pid
                             object
retail price
                            float64
discounted price
                            float64
image
                             object
is FK Advantage product
                             object
product rating
                             object
overall rating
                             object
product specifications
                             object
dtype: object
df all platforms['SpecialPrice'] =
df_all_platforms['SpecialPrice'].replace(',', '', regex=True)
df_all_platforms['avg.rating'] =
df all platforms['avg.rating'].replace(CONST NOT APPLICABLE , 0,
regex=True)
df all platforms['rating'] =
df all platforms['rating'].replace(CONST NOT APPLICABLE , 0,
regex=True)
df all platforms[['rating']] =
```

```
df all platforms[['rating']].astype(np.float)
df all platforms[['avg.rating']] =
df_all_platforms[['avg.rating']].astype(np.float)
df all platforms.dtypes
Unnamed: 0
                            float64
asin
                             object
avg.rating
                            float64
avg.helpful.ratio
                            float64
also_bought
                             object
also viewed
                             object
brand
                             object
categories
                             object
description
                             object
price
                            float64
salesRank
                             object
title
                             object
SpecialPrice
                            float64
IsAvailable
                             obiect
Platform
                             object
index
                            float64
product
                             object
category
                             object
sub category
                             object
                            float64
sale_price
                            float64
market price
type
                             object
                            float64
rating
Category
                             object
uniq id
                             object
crawl timestamp
                             object
product url
                             object
product name
                             obiect
product category tree
                             object
pid
                             object
retail price
                            float64
discounted price
                            float64
image
                             object
is FK Advantage product
                             object
product_rating
                             object
overall rating
                             object
product specifications
                             object
dtype: object
df all platforms.to csv('df all platforms.csv', index=False)
df all platforms[df all platforms['Platform'] == CONST PLATFORM AMAZON
1.head()
   Unnamed: 0
                            avg.rating
                                        avg.helpful.ratio
                      asin
                                  2.50
0
          1.0
               7806397051
                                                       NaN
          2.0
                                  3.09
                                                       NaN
1
               9759091062
```

```
2
           3.0
                9788072216
                                    5.00
                                                          NaN
3
           4.0
                9790790961
                                    4.60
                                                          NaN
           5.0
                9790794231
                                    4.50
                                                          NaN
also bought
                                  ['B00KR26VFE',
                                                   'B00E7L0HZ0',
                                               B00KVBZAXK'
                                                              'B008B2Z94Q'
'B00BMW24TU'
                               'B008G0R600'
                'B00K67AQN8'
'B00IIFVJZ4'
                B00FYUX3Z0
                               'B00HWR10Z4'
                                               B00EYZR3E8'
                                                              'B00IHQKRCA
'B00KS4FDL0'
                               'B00FYV0G1Y'
                                               'B009WJCEMM'
                'B00GBTX1G0'
                                                              'B00ID5PRQQ
'B00IIG7UQ0'
                'B0068Y0EXK'
                               'B00JFLRCOW'
                                               'B009NAE91E'
                                                              'B00B4YVU4G
'B00K48JDWY'
                'B006HCJXBM
                               'B009VXY05S
                                               B0019900N8
                                                              'B009WI3RZ0
'B00IJ3LG94'
                'B0067F8BBM'
                               'B002TP0PEE'
                                               'B00IBVE79K'
                                                              'B00K05ZR08
'B00K407V00'
                'B00GMDIKV0
                               'B00KWSC0Z0'
                                               B00EL1HZ34
                                                              'B00HKA110G
'B00KL53KGA'
                'B00B8P5CTA'
                                               B00IKBG0AE'
                               'B00EYYW2HW'
                                                              'B00KHKXPHS
'B00HPS4664'
                'B00I9ZCV6E
                               'B00E0FEKF8'
                                               'B00F16KHLA'
                                                              'B00L0R8KK4
'B00G8F2RNE'
                'B00942W51C
                               'B00KX0LTD0
                                               'B00DAYGJVW'
                                                              'B004X1QY20
'B00BLDA3J8'
                'B00HL9BG9C
                               'B00GLM2FA0'
                                               B00JEGCI6U'
                                                              'B00K7P74GQ
'B004W5RCNM'
                'B00JK99BNE
                               'B005TKZS76
                                               B00E57MCMS
                                                              'B001TK1I4M'
                                               'B00GZIHP3G'
'B00CQ1DKZS'
                'B00F0RNVG0'
                               'B00GQU5YY0'
                                                              'B00BX7DGIC
'B004GNMP0U'
                'B00D02ILQY
                               'B00IZZ7RTO'
                                               'B00CBT0TYU'
                                                              'B008N0JA5E
'B0092LDWVW'
                'B00H08MA70'
                               'B0030APTAW
                                               'B004M7WKKK'
                                                              'B00H1SW3RC
'B008FX7B9M'
                'B0061KQEVW'
                               'B00IIF0EIS'
                                               'B006GTKSHY'
                                                              'B00D8U570W'
'B00I0K5K4C'
                'B00IZ6KIE4'
                               'B00F0RNYMU'
                                               B00LAYIFD4'
                                                              'B00AC0FN00'
'B00BZ40DW4'
                'B005C8MMPQ'
                               '1111306923'
                                               'B006Z5K3FG'
                                                              'B0054SIB1S'
'B002UBVZYC'
                'B00J921XM4'
                               'B00CZ4W8UE',
                                               'B00EU89CKC'
                                                              'B00J3IFAA0',
'B00503000M'1
['B0054GLD1U'
                 'B003BRZCUC',
                                'B0054GBX0W'
                                                'B006VD0PPQ'
                                                               'B005R3IPJI',
'B003BRZ7B6'
                'B0074SE5CA'
                               'B000X5LUYC'
                                               B009H0U1TU'
                                                              'B000VQEQXA'
'B009SIEQ78'
                'B002TNIN2S
                               'B0074RLEZC
                                               B007CMS5C4
                                                              'B0071H5C76
'B007M8TB08'
                'B0072CVZ0S'
                               'B002SKMNG0'
                                               B006ZYZ8S4'
                                                              'B006V6T1X4
                B00CZ9RDG8
                               'B0000V3ZD0'
                                                              'B0089MU00S
'B00DJWN0FI
                                               B00H04Z0BI
'B003BS4CUC'
                'B00BKFNQI2'
                               'B000V0EUK4'
                                               B006ZBP8NM'
                                                              'B005JNKXF0
'B002W23NQ2
                'B00J7RIXEM
                               'B005IJTKFY'
                                               'B00886V412'
                                                              'B0071H6ZD6
'B005GMY88W'
                'B004RANK50
                               'B009JJA49U
                                               'B0071H640U
                                                              'B002UFJ66M
'B0093HPZ2E'
                'B000MQ6X8A
                               'B002W01P82
                                               'B004N56WWI'
                                                              'B0089PZZKS
'B005IJQAIE'
                'B003Y5VLX8
                                               B00CVDTMI0
                                                              'B007R4ZJ8A
'B000VXVEGK'
                'B00002P3RE'
                               'B0011SUGFE'
                                               'B00FM7PGTQ'
                                                              'B00176YZUM'
'B00DH10150'
                                               'B005JECMQM'
                                                              'B000W3WP1W'
                'B00BTCZJW2
                               'B008G0R600
'B00CE2JC9W'
                'B004TSFBNK
                               'B0053L2E10'
                                               'B00CP0HKYG
                                                              'B003C0AFP0
'B005GMYPMG'
                'B00130UL0M
                               'B00GZ0WFQG'
                                               'B004H7GB9G'
                                                              'B000MIR7TM'
'B002EP90UG'
                'B00K2T5RZ2
                               'B00F12F5QQ'
                                               'B00B786720'
                                                              'B00447F1YK'
'B00174LGSI'
                'B008R7BT5S'
                               'B0060G4IW0'
                                               'B00JH74XPA'
                                                              'B00J20ES34'
                'B003CU26SY
                                               'B00D3KXYS4'
                                                              'B0050ZC2MU'
'B00BUU7KVG
                               'B003GLR1E8
'B00K0RKB2K'
                'B002BS43HU'
                               'B006NMY0MS'
                                               B003CTTZQQ',
                                                              'B004TSFE28',
'B000GD5LY6',
                'B002QFGKUQ',
                               'B008BJ5GM0']
2
['B006C50HSI', 'B006P14842', 'B0072CSVB4', 'B00CGOUL2A', '9788072208']
```

```
['B007P70PQQ', 'B0017JT658', 'B0084HM1DA', 'B000MX5NVQ',
'B000AQF50Y'
                                                              B000XE5260'
                B0013FPN1W'
                               'B00AH5I0GA'
                                               B0072CTK5K1
'B00KSLJ5WA'
                'B0079VZFSA'
                               ' B0072CVBZC '
                                               B001RCIPMU'
                                                              'B0072CS07A
'B0017L0N06'
                'B00JUCIN40'
                                               B007VXH2DM'
                               'B000HZPKTY
                                                              'B004VUBNOU'
'B009NP0Y14'
               'B00CG0UL2A'
                               'B00KCX9BK0'
                                               B0072CQU2G
                                                              'B00KJ0Q34S'
'B0022V2PKI
                'B004B2J8UG
                               'B0072CYS9I
                                               B001362KH0
                                                              'B001JQ6072
'B000V0HKK8'
               'B0079VYY3M'
                               'B0072CWP30'
                                               B0049CXC8W'
                                                              'B000V0L914
'B000KRZD4Q
                'B0072CUD8I
                               'B002CT01M4
                                               B009RA8HJ0'
                                                              'B00BZB070I
'B0009N36NG
                'B0091XL4B6
                               'B00152SA1S
                                               B002Z7FVTQ'
                                                              'B00L290S28
                                                              'B002LKZ1JW'
'B000UICT6U'
               'B002LZ0IPY
                               'B00023QRCK'
                                               B00456E6N2 '
'B0009N33Z2'
                'B000E7UFM2
                               'B00IPZE0XU'
                                              'B0079W3WIE'
                                                              'B000C1ZDTU'
'B000C2YXVI'
               'B00KC9770G
                               'B000E7WHLY'
                                               B0072CXVT0'
                                                              'B005M2AQRI
'B0072CWRAA
                'B000FCTITM
                               'B0079W1SDA
                                              'B000E7UFS6
                                                              'B000C235XK
'B002LL4U08'
               'B002LZ0I2W
                               'B0079VS8M0'
                                              'B0009N35D2'
                                                              'B0009N5EZ0
'B00EZ1RXGY
                B00FY3T3TM
                               'B0072CY7J4'
                                              ' B0079W0FW0 '
                                                              'B00490P9VS
'B00161IKD6'
                'B003VX1KF2
                               'B0072CTS2K'
                                               B0079VXYZG
                                                              'B0007XGBVC
'B004P0UUBK'
               'B0079VTWBG
                               'B002LL308U'
                                              'B0072CWDVI'
                                                              'B0072CVHE2
'B000V0PG0E'
                'B000XE87IA
                               'B003XLX046'
                                              'B000JL7Z5S
                                                              'B004564IZI
'B00DAUYQX4'
               'B0009N34GU'
                               'B0072CQJBS'
                                               B00EYBI67U'
                                                              'B0079FW5WA'
'B0079VTHJ8'
               'B008HLP3WY'
                               'B00HUA0E2S',
                                               B0000P7LTY',
                                                              'B00F14IKQQ',
'B00CXCCI8A']
['B0019M210Q'
                'B000E7YM8K',
                                'B0006V31FY', 'B0079W1VJQ', 'B00CITNW92',
'B008D5JK9Q',
               'B007P7R30W']
also viewed
                                                 ['B008G0R600',
'B00E0FEKF8'
               'B00IIFVJZ4',
                               'B009C7RZNC'
                                              'B00K05ZR08'
                                                              'B009NAE9A0'
'B00A66T112'
                                                              'B004M7WKKK'
               'B00C8R39TM'
                               'B009VYF0MY
                                               B00K0683R6
'B00K06830E
               'B008MU8TL2
                               'B00HKA110G
                                               B00K0683PS
                                                              'B00BMW24TU
'B0061KQEVW'
               'B00E7LQHZ0'
                               'B00KR26VFE'
                                               B00IHR9EVE'
                                                              'B00IHQKRCA'
                               'B00GWDZBHQ
                                                              'B007RKC27U'
'B00GWDKRG6
                'B00DFQ0IJA
                                               B002QFGQAK
'B00JE46HM8'
               'B00IIG7UQ0'
                               'B009NAE91E
                                               B008D5JRL2'
                                                              'B00IHR9EV4'
'B00CZ49RSK
                B00J3HHJUA
                               'B009WJCEMM'
                                              'B004I3LU7C'
                                                              'B00LE9YL0G
'B00EYZR3E8'
                'B00FQ80L6U'
                               'B00L54D9NU'
                                              'B00GBTX1G0'
                                                              'B00I9GTBD4'
'B00IVHDGMS'
               'B009P732GI'
                               'B008B2Z940'
                                              'B004U02GMW'
                                                              'B00KH0F6V2'
'B008D5D9NY'
                'B00IHQQGKM'
                               'B00AU05YVU'
                                               B00HWR10Z4'
                                                              'B00K67AQN8',
'B0020FGKU0'
                'B0067F8BBM',
                               'B00FYV0G1Y']
['B0054GBX0W'
                'B0054GLD1U',
                                'B006VD0PPQ'
                                               'B003BRZCUC',
                                                               'B009H0U1TU'
'B00GAXR43M'
               'B0074RLEZC'
                               B002TNIN2S'
                                                              'B002SKMNG0'
'B0072CVZ0S'
                ' B006Q4JNCU '
                               'B000VQEQXA'
                                               B00H04Z0BI
                                                              'B00DJWN0FI'
'B003BS4CUC'
               'B002T0LEMS'
                               'B0074SE5CA'
                                               B007R4ZJ8A
                                                              'B000TBV09G'
                               'B00BTCZJW2
'B000NB3V0S
                'B005R3IPJI
                                               B000X5LUYC
                                                              'B005IJTKFY
               'B008I7GTWA
                               'B005DXHDXG
                                               B001T80ZGC
                                                              'B00DKB2CYI
'B006ZYZ8S4'
'B008BJ5GM0'
               B005EM6NYQ
                               B000VQEUK4
                                               B000XQ0850
                                                              'B00KLGFH1A
'B008HCTX3S'
               'B0071H5C76
                               'B006ZBP8NM'
                                               B00J8WR3B0'
                                                              'B0002Z8UZ0
'B006V6T1X4'
               'B006ZYU5YQ'
                               'B00F12F5QQ'
                                              'B007T03BFQ'
                                                              'B0009R1526
'B009FGHKNA'
               'B00BKFNQI2',
                               'B0000V3ZD0',
                                              'B007M8TB08'
                                                              'B001E919LU',
```

```
'B0072CUBR0',
               'B0054GG4AA']
2
                                  ['B0072CSVB4', 'B005YWB0HW',
                                               9788072305'
                                                              'B00C8RZP6C'
'B00CG0UL2A'
                'B00GIWPK2W'
                               '9788072208'
'B00B1YH7PA'
                'B00HPYVCM4'
                               'B008AZ0E80'
                                              'B00GFE0VX6'
                                                              'B0079W1YUW'
'B0079VUA5S'
                'B0040C8HQ0'
                               'B00B9KT9FW'
                                               B00KTB1ZF4'
                                                              'B00KSL75E0'
                                                              'B00727PMYS
'B002X01S04'
                'B003HUP0H8
                               'B008KS9VBS'
                                               'B006C50HSI'
'B00BUUCRG0'
               'B00CMR3A6A'
                               'B00DST09YM'
                                               B00KB93G06 '
                                                              'B00D8H2FNW'
                               'B00KSLWAGI
'B005SQS5X0'
                '9788071198
                                               'B00CMQZCE4'
                                                              'B004564IZI
'B007Q10DRM'
                'B00CLYHF9W'
                               'B001JQ6072
                                               B0072CY0AG
                                                              'B00L24H15A
'B00H00AT5E'
                                               B006P14842'
                                                              'B0079VWZ3S'
                'B008RTY0K8'
                               'B00090AIIG
'B000JL7Z5S'
                'B00JUCIN40'
                               'B007ZML100'
                                               B000P43JX0'
                                                              'B0079W22QM'
'B0079VYMDY'
                'B0072CUKQS'
                               'B00L6XS1II'
                                              'B000U66I0A',
                                                              'B0079VZFSA',
'B00E9EU1LG
                'B000CNTT9I'
                               'B000C1Z3LS'l
                   'B000V0HKK8', 'B0017JT658', 'B000KS1A7Y',
   ['B005M2A0RI',
                                                              'B000XE906S'
'B000XE49G0'
                'B0022UW72U'
                               B00JX43PZ6'
                                               B000IEQQCE'
'B00002T3DY'
                ' B000U83UAY '
                               'B00502JMIY'
                                               B00AH5I0GA'
                                                              'B00FYVJ8FI'
'B00GZP041Y'
                'B007P70PQQ'
                               'B0072CYRKI'
                                              'B00GZP0760'
                                                              'B007TTFT1A
'B0079VZFSA'
                B002GZVV96
                               'B000KRZD40'
                                              'B00EN6BR7W'
                                                              'B005YEMNJI
'B004QN72CG'
                '9790791976
                               'B000MX5NVQ'
                                               'B0072CUKQS'
                                                              'B0072CTK5K
                               'B000AQF50Y
                                                              'B000XE5260
'B004VUBNOU'
                'B0084HM1DA
                                               B000U66I0A
'B001JQ6072'
                'B0013FPN1W'
                               'B00BPZ1UJE'
                                              'B0057ZFWA6'
                                                              'B0079VYMDY'
'B000RPPR42
                               'B0072CYS9I
                                              'B0072CS07A
                                                              'B00GXEVG9G
                'B0079VS8M0
'B004RB6J3U'
                B001FWXMIY
                               'B000C1ZDTU'
                                              'B0040HDATC
                                                              'B001B10BF6'
'B00161IKD6'
                'B0017LQNQ6'
                               'B00E9RG0YQ'
                                              'B0079VXYZG',
                                                              'B003AXJNGQ',
'B008HLP3WY',
                'B00KJ0Q34S',
                               'B0079W3WIE']
4
['B000E7YM8K'
                'B0019M2100',
                                'B0006V31FY'
                                               'B0072CU2PM'
                                                               'B000BIDC00',
'B000GHWPI2'
                'B007P7R30W'
                               'B001366JMI
                                               B005FGHPM0'
                                                              'B00GII2H8Q'
'B002JISTS6'
                'B001D1ISOK'
                               'B0079VVTAS
                                               B0072CTQHW'
                                                              'B007510WQS
'B003BMERYY
                ' B004C7SNBU '
                               'B000JC51IU'
                                              'B007VTRDBW'
                                                              'B004V4570K'
'B002LZ2I9S'
                'B000ZKHV7A'
                               'B0072CU6V2'
                                              'B0072CX2L8'
                                                              'B000Q1HX62'
                               'B0079VS8M0'
'B0009N103E'
                'B00B0JZE5M'
                                              'B0072CVWRE',
                                                              'B0079W1VJ0',
               'B008HLP3WY',
                               'B00CPDJHU4'1
'B000A0F50Y',
           brand
0
            COKA
1
   Xtreme Brite
2
           Prada
3
        Versace
categories
                [['Beauty', 'Makeup', 'Face', 'Concealers &
Neutralizers'||
   [['Beauty', 'Hair Care', 'Styling Products', 'Creams, Gels &
Lotions']]
                       [['Beauty', 'Fragrance', "Women's", 'Eau de
Parfum']]
                     [['Beauty', 'Fragrance', "Women's", 'Eau de
3
```

description \

O An extensive range of 15 multiple vibrant long wear concealer colour with different skin tones to create more than 10,000 amazing looks. Using the most commonly applied shades, ensures the best skin colour match and guarantees a traceless and natural finish. Enabling layering and mixing, provides total camouflage for almost any skin problem including blemishes, scars, birthmarks and black circles. It is also suitable to use as bronzer. The light colour is suitable for redness, acne and so on. The medium colour is perfect for dark shadows in the under-eye area. The dark colour provides exceptional camouflage and adheres well to the skin. Silky glossy colour and high quality ingredients together to care skin around and can last for all day long. It is perfect for Professional Salon, Wedding, Party and Home use. Size: 15.4 x 10.2 x 1.3cm. Each Diameter: 2.6cm. Concealer: 15 Color Concealer.

1

Xtreme Brite Brightening gel is a highly concentrated gel that helps to obtain a clearer and brighter complexion. It helps remove blackheads and cosmetic acne.

2

Prada Candy By Prada Eau De Parfum Spray 1.7 Oz For Women: Prada Candy launched in 2011 has taken all vivacious young feminine hearts in its grasp. The caramela, musky, and balmy accords are irresistible for the graceful or the vivacious. A creation by the perfumer Daniela Andrier, it enlivens the young heart of the applicant and tantalizes the smeller. It is a companion of the flirtatious and the sensuous. The musky notes dominate over the top followed by the chypre benzoin. The gourmand caramel is a surprise at the base when you start feeling that you know the Prada trick. The exquisite flacon with embossed brand name and attractive stopper gives a start to the temptation.

Versace Bright Crystal Perfume for Women 3 oz Eau De Toilette Spray Inspired by a mixture of Donatella Versace's favorite floral fragrances, Bright Crystal is a fresh, sensual blend of refreshing chilled yuzu and pomegranate mingled with soothing blossoms of peony, magnolia, and lotus flower, warmed with notes of musk and amber. Notes: Iced Accord, Yuzu, Pomegranate, Peony, Magnolia, Lotus Flower, Acajou, Vegetal Amber, Musk. Style: Sheer. Sensual. Luminous.

Recommend Use: Day, Evening, Night

4

STELLA For Women By STELLA MCCARTNEY 1.7 oz EDP Spray

```
price ... product_name product_category_tree pid retail_price `0 5.04 ... NaN NaN NaN NaN NaN NaN NaN
```

```
65.86
                        NaN
                                               NaN
                                                                   NaN
                                                     NaN
3
                                               NaN
                                                                  NaN
   52.33
                        NaN
                                                    NaN
     NaN
                        NaN
                                               NaN
                                                    NaN
                                                                  NaN
                     image is FK Advantage product product rating
  discounted price
0
                NaN
                       NaN
                                                NaN
                                                                NaN
               NaN
1
                       NaN
                                                NaN
                                                                NaN
2
                NaN
                       NaN
                                                NaN
                                                                NaN
3
                                                                NaN
                NaN
                       NaN
                                                NaN
4
               NaN
                       NaN
                                                NaN
                                                                NaN
  overall rating
                  product specifications
0
             NaN
                                       NaN
1
             NaN
                                       NaN
2
                                       NaN
             NaN
3
                                       NaN
             NaN
4
             NaN
                                       NaN
[5 rows x 37 columns]
df all platforms[df all platforms['Platform'] ==
CONST PLATFORM BIGBASKET ].head()
   Unnamed: 0 asin avg.rating avg.helpful.ratio also bought
also viewed \
          NaN
              NaN
                            NaN
                                                NaN
                                                             NaN
NaN
          NaN
                            NaN
                                                NaN
                                                             NaN
1
               NaN
NaN
2
          NaN
               NaN
                            NaN
                                                NaN
                                                             NaN
NaN
          NaN
               NaN
                            NaN
                                                NaN
                                                             NaN
NaN
4
               NaN
                            NaN
                                                NaN
                                                             NaN
          NaN
NaN
                brand categories
   Sri Sri Ayurveda
                             NaN
          Mastercook
                             NaN
1
2
                  Trm
                             NaN
3
              Nakoda
                             NaN
4
                Nivea
                             NaN
description \
This Product contains Garlic Oil that is known to help proper
digestion, maintain proper cholesterol levels, support cardiovascular
and also build immunity. For Beauty tips, tricks & more visit
```

https://bigbasket.blog/

Each product is microwave safe (without lid), refrigerator safe, dishwasher safe and can also be used for re-heating food and not for cooking. All containers come with airtight lids and a wide variety of attractive colours. Stack these stylish and colourful containers in your kitchen with ease and for a look-good factor.

A perfect gift for all occasions, be it your mother, sister, in-laws, boss or your friends, this beautiful designer piece wherever placed, is sure to beautify the surroundings Traditional design This type diya has been used for Diwali and All other Festivals for centuries. Sturdy and easy to carry The feet keep it balanced to ensure safety. Wonderful Oil Lamp made in Brass also called as Jyoti. This is a handcrafted piece of Indian brass Deepak.

Multipurpose container with an attractive design and made from food-grade plastic for your hygiene and safety ideal for storing pulses. Grains, spices, and more with easy opening and closing flipopen lid. Strong, durable and transparent body for longevity and easy identification of contents. Multipurpose storage solution for your daily needs stores your everyday food essentials in style with the Nakoda container set. With transparent bodies, you can easily identify your stored items without having to open the lids. These containers are ideal for storing a large variety of items such as food grains, snacks and pulses to sugar, spices, condiments and more. Featuring unique flip-open lids, you can easily open and close this container without any hassles.\nThe Nakoda container is made from high-quality food-grade and BPA-free plastic that is 100% safe for storing food items. You can safely store your food items in this container without worrying about contamination and harmful toxins. As they are constructed using highly durable virgin plastic, this container will last for a long time even with regular use. This container can enhance the overall look of your kitchen decor. Being dishwasher safe, cleaning and maintaining this container is an easy task. You can also use a simple soap solution to manually wash and retain their looks for a long time.

Nivea Creme Soft Soap gives your skin the best care that it must get. The soft bar consists of Vitamins F and Almonds which are really skin gracious and help you get great skin. It provides the skin with moisture and leaves behind flawless and smooth skin. It makes sure that your body is totally free of germs & dirt and at the same time well nourished. For Beauty tips, tricks & more visit https://bigbasket.blog/

	price	 <pre>product_name</pre>	<pre>product_category_tree</pre>	pid	retail_price	\
0	NaN	 NaN	_ NaN	NaN	NaN	
1	NaN	 NaN	NaN	NaN	NaN	
2	NaN	 NaN	NaN	NaN	NaN	
3	NaN	 NaN	NaN	NaN	NaN	
4	NaN	 NaN	NaN	NaN	NaN	

```
discounted_price
                     image is_FK_Advantage_product product_rating
0
                NaN
                       NaN
                                                 NaN
                                                                 NaN
                NaN
                       NaN
                                                 NaN
                                                                 NaN
1
2
                NaN
                       NaN
                                                 NaN
                                                                 NaN
3
                NaN
                                                                 NaN
                       NaN
                                                 NaN
4
                NaN
                       NaN
                                                 NaN
                                                                 NaN
                   product specifications
  overall rating
0
              NaN
                                       NaN
1
              NaN
                                       NaN
2
              NaN
                                       NaN
3
              NaN
                                       NaN
4
              NaN
                                       NaN
[5 rows x 37 columns]
df all platforms[df all platforms['Platform'] ==
CONST PLATFORM FLIPKART ].head()
   Unnamed: 0 asin avg.rating avg.helpful.ratio also bought
also viewed \
          NaN NaN
                             NaN
                                                 NaN
                                                              NaN
NaN
1
          NaN
               NaN
                             NaN
                                                 NaN
                                                              NaN
NaN
                                                              NaN
          NaN
               NaN
                             NaN
                                                 NaN
NaN
3
          NaN
               NaN
                             NaN
                                                 NaN
                                                              NaN
NaN
                             NaN
                                                 NaN
4
          NaN
               NaN
                                                              NaN
NaN
          brand categories
0
         Alisha
                        NaN
1
   FabHomeDecor
                        NaN
2
              ΑW
                        NaN
3
         Alisha
                        NaN
4
         Sicons
                        NaN
description \
```

Key Features of Alisha Solid Women's Cycling Shorts Cotton Lycra Navy, Red, Navy, Specifications of Alisha Solid Women's Cycling Shorts Shorts Details Number of Contents in Sales Package Pack of 3 Fabric Cotton Lycra Type Cycling Shorts General Details Pattern Solid Ideal For Women's Fabric Care Gentle Machine Wash in Lukewarm Water, Do Not Bleach Additional Details Style Code ALTHT_3P_21 In the Box 3 shorts

FabHomeDecor Fabric Double Sofa Bed (Finish Color - Leatherette Black Mechanism Type - Pull Out) Price: Rs. 22,646 • Fine deep seating experience • Save Space with the all new click clack Sofa Bed • Easy to fold and vice versa with simple click clack mechanism • Chrome legs with mango wood frame for long term durability • Double cushioned Sofa Bed to provide you with extra softness to make a fine seating experience • A double bed that can easily sleep two. Specifications of FabHomeDecor Fabric Double Sofa Bed (Finish Color - Leatherette Black Mechanism Type - Pull Out) Installation & Demo Installation & Demo Details Installation and demo for this product is done free of cost as part of this purchase. Our service partner will visit your location within 72 business hours from the delivery of the product. In The Box 1 Sofa Bed General Brand FabHomeDecor Mattress Included No Delivery Condition Knock Down Storage Included No Mechanism Type Pull Out Type Sofa Bed Style Contemporary & Modern Filling Material Microfiber Seating Capacity 3 Seater Upholstery Type NA Upholstery Included No Bed Size Double Shape Square Suitable For Living Room Model Number FHD112 Care Instructions Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled bru...View More Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled brush attachment or lightly brush them to keep general dirt and dust off the sofa and prevent any embedding between the fibres, Try to avoid food and drink spillage of any kind, If spills occur, do not leave unattended, In case of a stain, a waterfree fabric cleaner can be used, However, avoid applying the cleaner directly on the stain as this can cause damage to the fabric and fade colour, Pour the cleaner onto a clean cloth and test its effect on a hidden area of the sofa before cleaning the stain with the cloth, A professional scotchquard treatment is one of the easiest and most effective options to protect against spills or stains and keep pet hair at bay, Getting your sofa professionally cleaned once every 6-8 months will not only take care of the nooks and corners that you can't reach, it will also make it more durable Finish Type Matte Important Note Cancellation NOT allowed for this product after 24 hrs of order booking. Warranty Covered in Warranty Warranty covers all kind of manufacturing defects. Concerned product will either be repaired or replaced based on discretion. Service Type Manufacturer Warranty Warranty Summary 6 Months Domestic Warranty Not Covered in Warranty Warranty does not cover for Improper Handling Dimensions Weight 40 kg Height 838 mm Width 1905 mm Depth 939 mm Disclaimer - The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings -Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit

through... View More - The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings - Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit through the entrance(s) and door(s) of the premises - Please expect an unevenness of up to 5 mm in the product due to differences in surfaces and floor levels -Flipkart, or the Seller delivering the product, will not take up any type of civil work, such as drilling holes in the wall to mount the product. The product will only be assembled in case carpentry assembly is required - In case the product appears to lack shine, wiping the surface with a cloth will help clear the surface of dust particles Material & Color Upholstery Color Leatherette Black Primary Color Black Primary Material Fabric Secondary Material Subtype Mango Wood Secondary Material Foam Finish Color Leatherette Black Primary Material Subtype Foam

2

Key Features of AW Bellies Sandals Wedges Heel Casuals, AW Bellies Price: Rs. 499 Material: Synthetic Lifestyle: Casual Heel Type: Wedge Warranty Type: Manufacturer Product Warranty against manufacturing defects: 30 days Care instructions: Allow your pair of shoes to air and de-odorize at regular basis; use shoe bags to prevent any stains or mildew; dust any dry dirt from the surface using a clean cloth; do not use polish or shiner, Specifications of AW Bellies General Ideal For Women Occasion Casual Shoe Details Color Red Outer Material Patent Leather Heel Height 1 inch Number of Contents in Sales Package Pack of 1 In the Box One Pair Of Shoes

3

Key Features of Alisha Solid Women's Cycling Shorts Cotton Lycra Black, Red, Specifications of Alisha Solid Women's Cycling Shorts Shorts Details Number of Contents in Sales Package Pack of 2 Fabric Cotton Lycra Type Cycling Shorts General Details Pattern Solid Ideal For Women's Fabric Care Gentle Machine Wash in Lukewarm Water, Do Not Bleach Additional Details Style Code ALTGHT_11 In the Box 2 shorts

Specifications of Sicons All Purpose Arnica Dog Shampoo (500 ml) General Pet Type Dog Brand Sicons Quantity 500 ml Model Number SH.DF-14 Type All Purpose Fragrance Arnica Form Factor Liquid In the Box Sales Package Shampoo Sicons Dog Fashion Arnica

```
price
                                          product name
0
                 Alisha Solid Women's Cycling Shorts
     NaN
          . . .
1
                 FabHomeDecor Fabric Double Sofa Bed
     NaN
          . . .
2
     NaN
                                            AW Bellies
3
                 Alisha Solid Women's Cycling Shorts
     NaN
4
     NaN
               Sicons All Purpose Arnica Dog Shampoo
```

```
product_category_tree \
0 ["Clothing >> Women's Clothing >> Lingerie, Sleep & Swimwear >>
```

```
Shorts >> Alisha Shorts >> Alisha Solid Women's Cycling Shorts"
                ["Furniture >> Living Room Furniture >> Sofa Beds &
Futons >> FabHomeDecor Fabric Double Sofa Bed (Finish Colo..."]
["Footwear >> Women's Footwear >> Ballerinas >> AW Bellies"]
   ["Clothing >> Women's Clothing >> Lingerie, Sleep & Swimwear >>
Shorts >> Alisha Shorts >> Alisha Solid Women's Cycling Shorts"1
                      ["Pet Supplies >> Grooming >> Skin & Coat Care
>> Shampoo >> Sicons All Purpose Arnica Dog Shampoo (500 ml)"]
                pid retail price discounted price
  SRTEH2FF9KEDEFGF
0
                           999.0
                                            379.0
  SBEEH30GU7MFYJFY
                         32157.0
                                          22646.0
1
  SH0EH4GRSUBJGZXE
                           999.0
                                            499.0
  SRTEH2F6HUZMQ6SJ
                           699.0
                                            267.0
4 PS0EH3ZYDMSYARJ5
                           220.0
                                            210.0
image \
["http://img5a.flixcart.com/image/short/u/4/a/altht-3p-21-alisha-38-
original-imaeh2d5vm5zbtgg.jpeg",
"http://imq5a.flixcart.com/image/short/p/j/z/altght4p-26-alisha-38-
original-imaeh2d5kbufss6n.jpeg",
"http://img5a.flixcart.com/image/short/p/j/z/altght4p-26-alisha-38-
original-imaeh2d5npdybzyt.jpeg",
"http://img5a.flixcart.com/image/short/z/j/7/altght-7-alisha-38-
original-imaeh2d5jsz2ghd6.jpeg"]
   ["http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-
foam-fabhomedecor-leatherette-black-leatherette-1100x1100-
imaeh3gemjjcg9ta.jpeg",
"http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3gemjjcg9ta.jpeg",
"http://img6a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3genfxkqvuv.jpeg",
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3ge2sfeczef.jpeg",
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3geuy7d74g2.jpeg",
"http://img5a.flixcart.com/image/sofa-bed/j/f/y/fhd112-double-foam-
fabhomedecor-leatherette-black-leatherette-original-
imaeh3gerfhdxzwj.jpeg"]
["http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-
original-imaeebfwsdf6jdf6.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
```

```
imaeebfwsdf6jdf6.jpeg",
"http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfwt8zqc5cy.jpeg",
"http://img5a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfwhz5f8v6m.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeeducshzc6pbz.jpeg",
"http://img6a.flixcart.com/image/shoe/7/z/z/red-as-454-aw-11-original-
imaeebfw2veeuz8s.jpeg"]
["http://img5a.flixcart.com/image/short/6/2/h/altght-11-alisha-38-
original-imaeh2d5ug9thnyg.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5jxvh4msy.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5yz9fcjxe.jpeg",
"http://img6a.flixcart.com/image/short/p/h/t/altht-3p-1-alisha-34-
original-imaeh2d5fa94gzuy.jpeg",
"http://img6a.flixcart.com/image/short/x/5/f/altght-2-alisha-36-
original-imaeh2d5xnueazgz.jpeg"]
["http://img5a.flixcart.com/image/pet-shampoo/r/j/5/sh-df-14-sicons-
500-1100x1100-imaeh3hfvav85tva.jpeg",
"http://img5a.flixcart.com/image/pet-shampoo/r/j/5/sh-df-14-sicons-
500-original-imaeh3hfvav85tva.jpeg"]
  is FK Advantage product
                                 product rating
                                                       overall rating
0
                    False No rating available
                                                 No rating available
                    False No rating available
1
                                                 No rating available
2
                    False No rating available
                                                 No rating available
3
                    False No rating available
                                                 No rating available
4
                    False No rating available
                                                 No rating available
product specifications
{"product specification"=>[{"key"=>"Number of Contents in Sales
Package", "value"=>"Pack of 3"}, {"key"=>"Fabric", "value"=>"Cotton
Lycra"}, {"key"=>"Type", "value"=>"Cycling Shorts"},
{"key"=>"Pattern", "value"=>"Solid"}, {"key"=>"Ideal For",
"value"=>"Women's"}, {"value"=>"Gentle Machine Wash in Lukewarm Water,
Do Not Bleach"}, {"key"=>"Style Code", "value"=>"ALTHT 3P 21"},
{"value"=>"3 shorts"}|}
   {"product specification"=>[{"key"=>"Installation & Demo Details",
"value"=>"Installation and demo for this product is done free of cost
as part of this purchase. Our service partner will visit your location
within 72 business hours from the delivery of the product."},
{"value"=>"1 Sofa Bed"}, {"key"=>"Brand", "value"=>"FabHomeDecor"},
{"key"=>"Mattress Included", "value"=>"No"}, {"key"=>"Delivery
Condition", "value"=>"Knock Down"}, {"key"=>"Storage Included",
```

"value"=>"No"}, {"key"=>"Mechanism Type", "value"=>"Pull Out"}, {"key"=>"Type", "value"=>"Sofa Bed"}, {"key"=>"Style", "value"=>"Contemporary and Modern"}, {"key"=>"Filling Material", "value"=>"Microfiber"}, {"key"=>"Seating Capacity", "value"=>"3 Seater"}, {"key"=>"Upholstery Type", "value"=>"NA"}, {"key"=>"Upholstery Included", "value"=>"No"}, {"key"=>"Bed Size", "value"=>"Double"}, {"key"=>"Shape", "value"=>"Square"}, {"key"=>"Suitable For", "value"=>"Living Room"}, {"key"=>"Model Number", "value"=>"FHD112"}, {"key"=>"Care Instructions", "value"=>"Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled bru...View More Avoid outdoor use and exposure to water or prolonged moisture, Avoid exposure to direct heat or sunlight as this can cause the sofa colour to fade, Keep sharp objects away from your sofa, A little tear on the fabric cover may be hard to repair, Vacuum your sofas periodically with a soft bristled brush attachment or lightly brush them to keep general dirt and dust off the sofa and prevent any embedding between the fibres, Try to avoid food and drink spillage of any kind, If spills occur, do not leave unattended, In case of a stain, a water-free fabric cleaner can be used, However, avoid applying the cleaner directly on the stain as this can cause damage to the fabric and fade colour, Pour the cleaner onto a clean cloth and test its effect on a hidden area of the sofa before cleaning the stain with the cloth, A professional scotchquard treatment is one of the easiest and most effective options to protect against spills or stains and keep pet hair at bay, Getting your sofa professionally cleaned once every 6-8 months will not only take care of the nooks and corners that you can't reach, it will also make it more durable"}, {"key"=>"Finish Type", "value"=>"Matte"}, {"value"=>"Cancellation NOT allowed for this product after 24 hrs of order booking."}, {"value"=>"- The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings - Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit through... View More - The color of the product may vary slightly compared to the picture displayed on your screen. This is due to lighting, pixel quality and color settings - Please check the product's dimensions to ensure the product will fit in the desired location. Also, check if the product will fit through the entrance(s) and door(s) of the premises - Please expect an unevenness of up to 5 mm in the product due to differences in surfaces and floor levels -Flipkart, or the Seller delivering the product, will not take up any type of civil work, such as drilling holes in the wall to mount the product. The product will only be assembled in case carpentry assembly is required - In case the product appears to lack shine, wiping the surface with a cloth will help clear the surface of dust particles"}, {"key"=>"Covered in Warranty", "value"=>"Warranty covers all kind of

```
manufacturing defects. Concerned product will either be repaired or
replaced based on discretion."}, {"key"=>"Service Type",
"value"=>"Manufacturer Warranty"}, {"key"=>"Warranty Summary",
"value"=>"6 Months Domestic Warranty"}, {"key"=>"Not Covered in
Warranty", "value"=>"Warranty does not cover for Improper Handling"},
{"key"=>"Weight", "value"=>"40 kg"}, {"key"=>"Height", "value"=>"838
mm"}, {"key"=>"Width", "value"=>"1905 mm"}, {"kev"=>"Depth",
"value"=>"939 mm"}, {"key"=>"Upholstery Color", "value"=>"Leatherette
Black"}, {"key"=>"Primary Color", "value"=>"Black"}, {"key"=>"Primary
Material", "value"=>"Fabric"}, {"key"=>"Secondary Material Subtype",
"value"=>"Mango Wood"}, {"key"=>"Secondary Material",
"value"=>"Foam"}, {"key"=>"Finish Color", "value"=>"Leatherette
Black"}, {"key"=>"Primary Material Subtype", "value"=>"Foam"}]}
{"product specification"=>[{"key"=>"Ideal For", "value"=>"Women"},
{"key"=>"Occasion", "value"=>"Casual"}, {"key"=>"Color",
"value"=>"Red"}, {"key"=>"Outer Material", "value"=>"Patent Leather"}, {"key"=>"Heel Height", "value"=>"1 inch"}, {"key"=>"Number of Contents
in Sales Package", "value"=>"Pack of 1"}, {"value"=>"One Pair Of
Shoes"}]}
{"product_specification"=>[{"key"=>"Number of Contents in Sales
Package", "value"=>"Pack of 2"}, {"key"=>"Fabric", "value"=>"Cotton
Lycra"}, {"key"=>"Type", "value"=>"Cycling Shorts"},
{"key"=>"Pattern", "value"=>"Solid"}, {"key"=>"Ideal For",
"value"=>"Women's"}, {"value"=>"Gentle Machine Wash in Lukewarm Water,
Do Not Bleach"}, {"key"=>"Style Code", "value"=>"ALTGHT_11"},
{"value"=>"2 shorts"}]}
{"product specification"=>[{"key"=>"Pet Type", "value"=>"Dog"},
{"key"=>"Brand", "value"=>"Sicons"}, {"key"=>"Quantity", "value"=>"500
ml"}, {"key"=>"Model Number", "value"=>"SH.DF-14"}, {"key"=>"Type",
"value"=>"All Purpose"}, {"key"=>"Fragrance", "value"=>"Arnica"},
{"key"=>"Form Factor", "value"=>"Liquid"}, {"key"=>"Sales Package",
"value"=>"Shampoo Sicons Dog Fashion Arnica"}]}
[5 rows x 37 columns]
DATA ANALYSIS ON INTEGRATED DATA
df all platforms.shape
(58901, 37)
df all platforms.info()
<class 'pandas.core.frame.DataFrame'>
Int64Index: 58901 entries. 0 to 19999
Data columns (total 37 columns):
     Column
                               Non-Null Count Dtype
```

```
Unnamed: 0
 0
                                11346 non-null
                                                 float64
 1
                                                object
     asin
                                11346 non-null
 2
                                11346 non-null
                                                float64
     avg.rating
 3
     avg.helpful.ratio
                                792 non-null
                                                 float64
 4
     also_bought
                                11346 non-null
                                                object
 5
     also_viewed
                                11346 non-null
                                                object
 6
     brand
                               53020 non-null
                                                 object
 7
     categories
                                11346 non-null
                                                object
 8
                               58102 non-null
     description
                                                object
 9
                                10941 non-null
     price
                                                 float64
 10
     salesRank
                                11346 non-null
                                                object
 11
     title
                                11346 non-null
                                                object
                                10941 non-null
 12
     SpecialPrice
                                                float64
 13
                                11346 non-null
     IsAvailable
                                                object
 14 Platform
                                58901 non-null
                                                object
 15
     index
                               27555 non-null
                                                 float64
 16
                               27554 non-null
    product
                                                object
                               27555 non-null
 17
     category
                                                object
 18
                               27555 non-null
     sub category
                                                object
                               27555 non-null
 19
     sale_price
                                                float64
                               27555 non-null
 20
     market price
                                                 float64
 21
                                27555 non-null
     type
                                                object
                                18929 non-null
 22
    rating
                                                float64
 23
     Category
                               27555 non-null
                                                object
 24
     uniq id
                               20000 non-null
                                                object
 25
                               20000 non-null
     crawl_timestamp
                                                object
 26
     product_url
                                20000 non-null
                                                object
 27
                                20000 non-null
     product name
                                                object
 28
     product category tree
                                20000 non-null
                                                object
                                20000 non-null
 29
     pid
                                                object
 30
    retail_price
                                19922 non-null
                                                float64
                                19922 non-null
 31
     discounted price
                                                float64
 32
                                19997 non-null
     image
                                                object
 33
     is FK Advantage product
                               20000 non-null
                                                object
 34
     product rating
                                20000 non-null
                                                 object
     overall rating
 35
                                20000 non-null
                                                object
     product specifications
 36
                                19986 non-null
                                                object
dtypes: float64(11), object(26)
memory usage: 17.1+ MB
df_all_platforms.describe()
         Unnamed: 0
                                     avg.helpful.ratio
                        avg.rating
                                                                price
count
       11346.000000
                      11346.000000
                                            792.000000
                                                         10941.000000
mean
        5673.500000
                          4.163377
                                              0.736503
                                                            16.617354
std
        3275.452411
                          0.770957
                                              0.319704
                                                            19.305909
min
           1.000000
                          1.000000
                                              0.000000
                                                             0.010000
25%
        2837.250000
                          3.800000
                                              0.500000
                                                             6.680000
50%
        5673.500000
                          4.330000
                                              0.860000
                                                            11.590000
75%
        8509.750000
                          4.750000
                                              1.000000
                                                            20.000000
```

5.000000

1.000000

499.000000

11346.000000

max

	pecialPrice	index	sale_price	market_price
	\ 9941.000000 9000	27555.00000	27555.000000	27555.000000
mean 3.943410	16.617354	13778.00000	322.514808	382.056664
std 0.739063	19.305909	7954.58767	486.263116	581.730717
min 1.000000	0.010000	1.00000	2.450000	3.000000
25% 3.700000	6.680000	6889.50000	95.000000	100.000000
50% 4.100000	11.590000	13778.00000	190.000000	220.000000
75% 4.300000	20.000000	20666.50000	359.000000	425.000000
max 5.000000	499.000000	27555.00000	12500.000000	12500.000000
	retail_price			
count :	19922.000000	19922.0	00000	
mean	2979.206104	1973.4	01767	
std	9009.639341	7333.5	86040	
min	35.000000	35.0	00000	
25%	666.000000	350.0	00000	
50%	1040.000000	550.0	00000	

df_all_platforms.sample(10)

571230.000000

75%

max

1999.000000

	Unnamed: 0	asin	avg.rating	avg.helpful.ratio
2729	NaN	NaN	NaN	NaN
15335	NaN	NaN	NaN	NaN
14373	NaN	NaN	NaN	NaN
2184	NaN	NaN	NaN	NaN
10670	10671.0	B00DM14TYC	3.92	NaN
19026	NaN	NaN	NaN	NaN
5958	NaN	NaN	NaN	NaN
10186	NaN	NaN	NaN	NaN
12855	NaN	NaN	NaN	NaN
15987	NaN	NaN	NaN	NaN

999.000000

\

571230.000000

```
also_bought \
2729
NaN
15335
NaN
```

```
14373
NaN
2184
NaN
        ['B0029PT4KG', 'B00404SIYS', 'B0000635WI', 'B000JVA80C',
10670
               'B002DPUY3S',
                                                              'B0000SAH8I',
'B005N7YWX6'.
                               'B000NDCHNW',
                                              'B00BH0RZ78',
               'B0083V0DME',
                               '0679885722',
                                              '0307336182'
                                                              '0761148574'
'B005AYE8UE'
'B008N06RAG'
               'B0002E7DI0'
                               '1440505365'
                                              'B004LU29TK'
                                                              'B00HPS5EK6'
'B00519BD0G'
               'B003D6TSC4'
                               '1889392448'
                                              'B00HHGPKZK'
                                                              'B003D7E2XI
               'B00HSME26Q'
                                                              'B0032AM8HI'
'B000KJZ0WU'
                               'B000I615Q4'
                                              'B004BH15K2'
'B00820HS1E'
               'B00DSR6EBG
                               'B008X7JBPM',
                                              '1561487171'
                                                              'B001VC995S'
'0738217670'
               '0789210770'
                               '0743251547'
                                              'B001X4Z1N8'
                                                              'B0016BCS9S'
'B0000041EV'
               'B00112RH9I'
                               ' 1599214547 '
                                              'B00AQ4WJM2'
                                                              'B000EILS0Y'
'1449418465'
               'B00I1ATZFM'
                               '1594745730'
                                              'B001A0M3LI'
                                                              'B00HHGTM4K'
'B000I8WNT0'
               'B0000ZI8HS'
                               'B007JYZW08'
                                              'B009LA4V0G'
                                                              '0830755772'
'141652472X'
               'B0051NTHJG
                               'B00830L0NK',
                                              'B0000536EK'
                                                              'B00FRS2C2E'
'B0062CW1BG'
               '0770436471'
                               '0761133267'
                                              'B000RIWARG'
                                                              'B002B46H6Y'
'B000EM8308'
               'B000I5UASY'
                               'B00C3EXTD0'
                                              'B00ICNAN5Y'
                                                              'BOOHHGTMNG'
'B003D76KPQ'
               'B007KLQJV6'
                               'B00DVKJXFE'
                                              'B0079PY5DM'
                                                              'B009Q5Q126'
                               'B0097F3YES'
                                                              'B00CDKT3G2'
'B007YSB2L2
               B00DJP2T8E
                                              'B00HBLEJH6'
'B003DGZRNS'
                                                              'B00I9A4W7K'
               'B009FE07M4'
                               'B009AVCADK',
                                              'B002K6F7CS'
'B0050KTWK4'
                               'B00AIVN87I'
                                              'B004ZH2UE8'
                                                              'B002XNK2V0'
               '0399166262'
               'B00JXJAJAA',
                               'B001W2HZ1C',
'B009RPH0V0'
                                              'B005371280'
                                                              'B003IUGHSI'
                               'B008AUKXIG',
'B005DFD1EE',
               'B00474CUT0',
                                              'B00DUH0T4C',
                                                              'B000V1BDIG',
'B004BH503U']
19026
NaN
5958
NaN
10186
NaN
12855
NaN
15987
NaN
also_viewed
2729
NaN
15335
NaN
14373
NaN
2184
NaN
       ['B000JVA80C', 'B0029PT4KG', 'B00404SIYS', 'B005JFXJ0K',
10670
                              'B002DPUY3S',
'B00I1ATZFM',
               'B004PK2YZA',
                                              'B00DUH0T4C',
                                                             'B006L109DG',
                               'B000JVCBFC',
               'B00DLRNSSK',
                                              'B00J9E8MPS',
                                                              'B009Q5Q126',
'B008N06RAG',
'B000NDCHNW', 'B00BH0RZ78', 'B001X4Z1N8', 'B00HPS5EK6', 'B002K4L00E',
```

```
'B00L9A921S',
'B004Y9D90Q',
                                            'B00J4GRPZY',
                                                           'B002JULAPI',
               'B005N7YWX6',
               'B00K22S0YU',
                              'B0016BCS9S',
'B00I1ATY0E',
                                            'B004PK2Z54'
                                                           'B00JT3SK2E'
'B00112RH9I',
                              'B0000635WI',
                                            'B00HUHJMEG',
                                                            'B002B46H6Y',
               'B0088W8GAI',
'B0037W6PJS',
               'B00E36RNUW',
                              'B0000SAH8I',
                                             'B0000ZI8HS',
                                                            'B00519BD0G',
'B004W7XCDE',
                              'B0019QZ0SQ',
                                            'B004PK0XH6',
                                                           'B00EMBS21W',
               'B004EDYQT0',
               'B004P6BFK4',
                              'B005MLH2MG',
'B006YTX0HQ',
                                            'B001UHSV0Y', 'B002PK0RP6',
'B000PR5Q34', 'B007HBFZQ4', 'B00GSGSHIM']
19026
NaN
5958
NaN
10186
NaN
12855
NaN
15987
NaN
                  brand \
2729
                   Blue
          Loreal Paris
15335
           Lever Ayush
14373
                Colgate
2184
       Burt's Bees
10670
19026
                Steelo
              B Vishal
5958
10186
              Speedway
12855
                Jewels5
                INATUR
15987
categories \
2729
NaN
15335
NaN
14373
NaN
2184
NaN
      [['Beauty', 'Skin Care', 'Body', 'Moisturizers', 'Body
Butter']]
19026
NaN
5958
NaN
10186
NaN
12855
NaN
```

15335

description \ 2729

S4S Printed Women's Full Coverage Bra\n Price: Rs. 289\n\t\t\t\t\t\t\t\t\54S Brings you a range of stylish and comfortable collection. Colour may slightly vary depending on your computer monitor setting.\nS4S Brings you a range of stylish and comfortable collection. Colour may slightly vary depending on your computer monitor setting.

WHITE PERFECT Fairness Control Day Cream lightens the skin tone and reduces brown spot Melanin Vanish*: regulates the production of melanin for a visible reduction of darkness and brown spots Tourmaline Gemstone: Helps stimulate microcirculation helping give the skin a intense radiance and a rosy glow and Mexoryl SX: A patented; powerful UV filter system. For Beauty tips, tricks & more visit https://bigbasket.blog/

14373 Ayush Purifying Turmeric soap is formulated with 5000 years of Ayurvedic wisdom to give you clear and glowing skin. It contains the goodness of Turmeric (Haldi) and Nalpamaradi Tailam. Turmeric (Haldi) is prescribed in Ayurveda for purification and is also well known for its antiseptic and healing properties. While, Nalpamaradi Tailam is a classic oil formulated with various effective ingredients such as Vetiver, Peepal and Amla that are believed to cure skin infections and rashes, leaving your skin clear and glowing. The Ayush range of products has been carefully crafted with authentic recipes and processes, prescribed in the ancient Granthas. Traditionally, Ayurvedic ingredients were consciously picked at a certain time of the day, when they are most potent to create extremely effective Ayurvedic solutions. Lever Ayush uses the most potent ingredients that are highly beneficial to the skin, hair & teeth. The goodness of ingredients like Turmeric (Haldi), Saffron (Kesar), Cows ghee, Cardamom and Rock Salt has been used to formulate products that address our most worrying beauty problems. At Lever Ayush, we strive to make ancient Ayurvedic wisdom accessible to solve modern-day beauty problems. We believe that the solution to our beauty problems lies in the 5000-year-old Ayurvedic granthas, that prescribes the way to solve these problems from the root. We work with one of the world's premier Avurvedic institutes, Arya Vaidya Pharmacy (AVP) to create products that use the right ingredients to make them unique and incredibly effective.

2184

Colgate Active Salt with salt & lemon is an anti-cavity toothpaste with the goodness of natural ingredients. Power of active salt and lemon helps keep remove yellowness with regular brushing. Refreshing minty flavour gives fresher breath when used as directed for oral hygiene. Both the ingredients help fight germs and provide you with

healthier and cleaner teeth. Brush twice a day with Colgate Active Salt Lemon toothpaste as recommended by dentists. Colgate is India,¬"¢s No. 1 brand recommended by Dentists and offers unique oral hygiene solutions to ensure complete protection against germs and plague build-up.

10670

Nourish and moisturize your belly with Burt's Bees Mama Bee Belly Butter. This 99% natural, fragrance free formula contains a combination of cocoa, shea and jojoba butters that will keep your belly feeling soft and smooth before and after your new arrival. Simply apply this rich belly butter to your growing bump to keep skin supple. Pamper yourself with Mama Bee during your nine month stretch.

19026

Steelo plastic container set is made of 100% food-grade PET plastic that can help store pulses, spices and other edibles in a safe way. These containers are Bisphenol A (BPA) free which makes it safe from health hazards and will help lead a healthy lifestyle. The PET material makes the containers odor-free, so you donot have to worry about the contents smelling different. The airtight seal completely locks the container and conserves the nutritional value of the stored items.

5958

Office Scissor can be used for cutting paper, cardboard, fabric, photos and more. Widely used in the office for cutting paper or any other paper-related product. It can also be used in school for craft or at home in the kitchen. With its stainless steel blade, it is a versatile product used to perform different functions. 10186

Key Features of Speedwav 154253 Manual Rear View Mirror Mirror Surface: Convex Suitable for: Cars, Speedwav 154253 Manual Rear View Mirror (Interior) Price: Rs. 594 Wide angle view from roof mounted rear mirror provides tension free driving experience and reduces stress of looking to both side rear view mirrors Features Makes driving on roads easy A must have product for all long distance travelers Can be installed on the roof rear view of the vehicle with help of clips Provides wide angle rear view for safe driving on roads as well as on highway Anti slip clip holding the mirror of the vehicle provides tension free driving Package Contents: 1 X Speedwav Wide Angle Rear View Mirror, Specifications of Speedwav 154253 Manual Rear View Mirror (Interior) General Mirror Operation Manual Brand Speedway Mirror Placement Interior Vehicle Model Name Fiesta Model Number 154253 Vehicle Brand Ford Type Rear View Mirror Vehicle Model Year 2013, 2014, 2015 Mirror Surface Convex In the Box 1 Mirror Unit 12855

Jewels5 Tirion Yellow Gold Diamond 18 K Ring - Buy Jewels5 Tirion Yellow Gold Diamond 18 K Ring only for Rs. 27000 from Flipkart.com. Only Genuine Products. 30 Day Replacement Guarantee. Free Shipping. Cash On Delivery! 15987

Inatur Calming massage oil is a blend of pure essential oils which work to relax tight muscles and give relief from tension. It is perfect for a gentle massage to help relax, unwind and ensure a good nights sleep. According to Ayurveda, this oil can be used by persons with Pitta imbalance, which occurs due to reasons like emotional trauma and unrest, to relax the mind and body. Soothing herbal and base oils infused with antioxidants and vitamins nourish, protect and cool Pitta skin.

```
price
                                                      product name
2729
                           S4S Printed Women's Full Coverage Bra
         NaN
15335
         NaN
14373
         NaN
                                                                NaN
               . . .
2184
         NaN
                                                                NaN
               . . .
10670
       13.99
                                                                NaN
               . . .
19026
         NaN
                                                                NaN
               . . .
5958
         NaN
                                                                NaN
               . . .
                         Speedwav 154253 Manual Rear View Mirror
10186
         NaN
               . . .
                    Jewels5 Tirion Yellow Gold Diamond 18 K Ring
12855
         NaN
               . . .
15987
         NaN
                                                                NaN
product category tree \
["Clothing >> Women's Clothing >> Lingerie, Sleep & Swimwear >> Bras
>> S4S Bras"1
15335
NaN
14373
NaN
2184
NaN
10670
NaN
19026
NaN
5958
NaN
10186 ["Automotive >> Accessories & Spare parts >> Spares &
Performance Parts >> Car Spare Parts >> Vehicle Mirrors >> Speedway
154253 Manual Rear View Mirror (Interior)"]
12855
["Jewellery >> Rings"]
15987
NaN
                     pid retail price discounted price \
2729
       BRAEDQFRZEEGC49E
                                 949.0
                                                   289.0
15335
                     NaN
                                   NaN
                                                     NaN
14373
                     NaN
                                   NaN
                                                     NaN
```

```
19026
                    NaN
                                 NaN
                                                   NaN
5958
                    NaN
                                                   NaN
                                 NaN
       VMREGZPQEQ3FX7JZ
                                                 594.0
10186
                              1050.0
12855
       RNGE8UGWZ70GTSBT
                             38066.0
                                               27000.0
15987
                    NaN
                                 NaN
                                                   NaN
image \
2729
["http://img6a.flixcart.com/image/bra/b/g/dolly-bluered-2-s4s-38b-
original-imaedg8yh3jwcjkv.jpeg",
"http://img5a.flixcart.com/image/bra/b/b/g/dolly-bluered-2-s4s-38b-
original-imaedg8yh3jwcjky.jpeg",
"http://img6a.flixcart.com/image/bra/f/s/e/dolly-blue-3-s4s-30b-
original-imaedq8s6mnhz4da.jpeg",
"http://img6a.flixcart.com/image/bra/f/s/e/dolly-blue-3-s4s-30b-
original-imaedq8srauj8zpg.jpeg",
"http://img5a.flixcart.com/image/bra/f/s/e/dolly-blue-3-s4s-36b-
original-imaedg8sfb68gjvf.jpeg"l
15335
NaN
14373
NaN
2184
NaN
10670
NaN
19026
NaN
5958
NaN
10186
["http://img6a.flixcart.com/image/vehicle-mirror/f/e/5/154351-
speedway-1100x1100-imaegbdufawd6bba.jpeg",
"http://img5a.flixcart.com/image/vehicle-mirror/f/e/5/154351-speedwav-
original-imaegbdufawd6bba.jpeg",
"http://img6a.flixcart.com/image/vehicle-mirror/7/j/z/154253-speedwav-
original-imaegnyjtzeszpxa.jpeg"]
12855
      ["http://img5a.flixcart.com/image/ring/x/n/z/tlr1658-16-
jewels5-ring-1100x1100-imae8tnp7wr6ngfd.jpeg",
"http://img5a.flixcart.com/image/ring/x/n/z/tlr1658-16-jewels5-ring-
original-imae8tnp7wr6ngfd.jpeg",
"http://img5a.flixcart.com/image/ring/x/n/z/tlr1658-16-jewels5-ring-
original-imae8tnpr7j8daqf.jpeg",
"http://img5a.flixcart.com/image/ring/s/z/m/tlr1658-6-jewels5-ring-
original-imae8tngt3fgsjgn.jpeg",
"http://img5a.flixcart.com/image/ring/x/n/z/tlr1658-16-jewels5-ring-
original-imae8tng3dgvpyjh.jpeg",
```

NaN

NaN

NaN

NaN

2184

10670

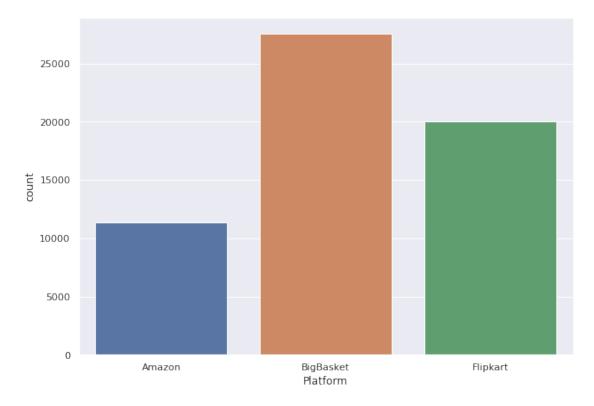
NaN

NaN

```
"http://img5a.flixcart.com/image/ring/x/n/z/tlr1658-16-jewels5-ring-
original-imae8tnryvk3jzcp.jpeg"]
15987
NaN
                                              product rating
        is FK Advantage product
overall rating \
2729
                               False No rating available No rating
available
15335
                                 NaN
                                                            NaN
NaN
14373
                                 NaN
                                                            NaN
NaN
2184
                                 NaN
                                                            NaN
NaN
                                                            NaN
10670
                                 NaN
NaN
19026
                                 NaN
                                                            NaN
NaN
5958
                                 NaN
                                                            NaN
NaN
                                       No rating available No rating
10186
                               False
available
12855
                               False
                                       No rating available No rating
available
15987
                                 NaN
                                                            NaN
NaN
product specifications
2729
{"product specification"=>[{"key"=>"Brand Color", "value"=>"Blue,
Red"}, {"key"=>"color", "value"=>"Blue, Red"}, {"key"=>"Pattern",
"value"=>"Printed"}, {"key"=>"Ideal For", "value"=>"Women's"},
{"key"=>"Occasion", "value"=>"Casual"}, {"key"=>"Wire Support",
"value"=>"Wirefree"}, {"key"=>"Inner Lining", "value"=>"Cotton")
Lining"}, {"key"=>"Straps", "value"=>"Regular"}, {"key"=>"Detachable Straps", "value"=>"No"}, {"key"=>"Number of Contents in Sales
Package", "value"=>"Pack of 2"}, {"key"=>"Cup Type", "value"=>"Non Padded"}, {"key"=>"Fabric", "value"=>"Hosiery, Cotton"},
{"key"=>"Type", "value"=>"Full Coverage Bra"}, {"value"=>"Hand
Wash/Machine Wash, Wash Dark Colour Separately."}, {"value"=>"2 Pc
Bra"}|}
15335
NaN
14373
NaN
2184
```

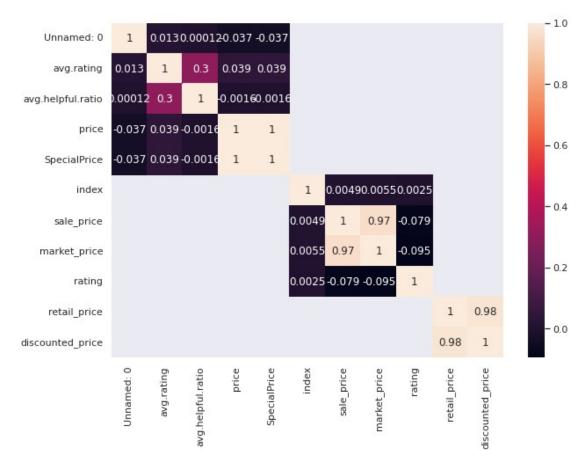
NaN 10670

```
NaN
19026
NaN
5958
NaN
10186
{"product specification"=>[{"key"=>"Mirror Operation",
"value"=>"Manual"}, {"key"=>"Brand", "value"=>"Speedwav"},
{"key"=>"Mirror Placement", "value"=>"Interior"}, {"key"=>"Vehicle
Model Name", "value"=>"Fiesta"}, {"key"=>"Model Number",
"value"=>"154253"}, {"key"=>"Vehicle Brand", "value"=>"Ford"},
{"key"=>"Type", "value"=>"Rear View Mirror"}, {"key"=>"Vehicle Model
Year", "value"=>"2013, 2014, 2015"}, {"key"=>"Mirror Surface",
"value"=>"Convex"}, {"value"=>"1 Mirror Unit"}]}
12855 {"product_specification"=>[{"key"=>"Brand",
"value"=>"Jewels5"}, {"key"=>"Collection", "value"=>"Designer"},
{"key"=>"Model Number", "value"=>"TLR1658"},
{"key"=>"Precious/Artificial Jewellery", "value"=>"Precious
Jewellery"}, {"key"=>"Type", "value"=>"Ring"}, {"key"=>"Model Name",
"value"=>"Tirion"}, {"key"=>"Ideal For", "value"=>"Women, Girls"},
{"key"=>"Occasion", "value"=>"Everyday, Love, Religious, Wedding and
Engagement, Workwear"}, {"key"=>"Color", "value"=>"Gold"},
{"key"=>"Diamond Weight", "value"=>"0.29 carat"}, {"key"=>"Diamond Shape", "value"=>"Round"}, {"key"=>"Diamond Color Grade",
"value"=>"IJ"}, {"key"=>"Natural/Synthetic Diamond", "value"=>"Natural
Diamond"}, {"key"=>"Diamond Clarity", "value"=>"SI"}, {"key"=>"Gold
Purity", "value"=>"18 K"}, {"key"=>"Gold Weight", "value"=>"2.85"},
{"key"=>"Gold Color", "value"=>"Yellow Gold"}, {"key"=>"Weight",
"value"=>"2.908 g"}, {"key"=>"Height", "value"=>"21.7 mm"},
{"key"=>"Width", "value"=>"8.7 mm"}, {"key"=>"Base Material",
"value"=>"Yellow Gold"}, {"key"=>"Gemstone", "value"=>"Diamond"},
{"key"=>"Ring Size", "value"=>"8"}, {"key"=>"Pack of", "value"=>"1"},
{"key"=>"Certification", "value"=>"BIS Hallmark, DGLA, GCI"}]}
15987
NaN
[10 rows x 37 columns]
VISUALIZATION ON DATASET
fig = plt.figure(figsize=(10,7))
sns.set()
ax = sns.countplot(x="Platform", data=df all platforms)
```



corr = df_all_platforms.corr()
fig = plt.figure(figsize=(10,7))
sns.heatmap(corr, xticklabels=corr.columns, yticklabels=corr.columns,
annot=True)

<matplotlib.axes._subplots.AxesSubplot at 0x7f470f041e10>



df_all_platforms.isna().any()

Unnamed: 0	True
asin	True
avg.rating	True
avg.helpful.ratio	True
also bought	True
also viewed	True
bran d	True
categories	True
description	True
price	True
salesRank	True
title	True
SpecialPrice	True
IsAvailable	True
Platform	False
index	True
product	True
category	True
sub_category	True
sale_price	True
market_price	True
type	True

rating	True
Category	True
uniq_id	True
crawl_timestamp	True
product_url	True
<pre>product_name</pre>	True
<pre>product_category_tree</pre>	True
pid	True
retail_price	True
discounted_price	True
image	True
is_FK_Advantage_product	True
<pre>product_rating</pre>	True
overall_rating	True
<pre>product_specifications</pre>	True
dtype: bool	

df_all_platforms.isna().sum()

Unnamed: 0 asin avg.rating avg.helpful.ratio also_bought also_viewed brand categories description price salesRank title SpecialPrice IsAvailable Platform index product category sub_category sub_category sale_price market_price type rating Category uniq_id crawl_timestamp product_url product_name product_category_tree pid	47555 47555 47555 58109 47555 47555 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 47555 47960 4755 47960 4755 47960 4755 47960 4755 47960 4755 47960 4796 4796 4796 4796 4796 4796 4796 4796

```
38904
image
is FK Advantage product
                         38901
product_rating
                         38901
overall rating
                         38901
product specifications
                        38915
dtype: int64
df all platforms.isna().sum().sum()
1385331
RECOMMENDATION SYSTEM FOR THE INTEGRATED DATASET
def search(sender):
   ''' recomending user based on special price and ratings. '''
   search item = sender.value.lower()
   df filtered =
df_all_platforms[df_all_platforms['product_name'].astype(str)\
                 .str.contains(search item)].sort values(by=['Specia
lPrice'l, ascending=[True])\
               .groupby(by=['Platform']).first()
   df = df filtered.sort values(by=['rating'],
ascending=[False]).copy()
   df.reset index(inplace=True)
   df top product = df.iloc[1]
   msg = str.format('Recommended Platform : {0}',
df top product.Platform)
   print(tabulate([[msq]], tablefmt='fancy grid'))
   display(df)
display(df[['Platform', 'rating']].head(4).style.hide index().highlight
max(color='lightgreen'))
   fig = plt.figure(figsize=(10,7))
   ax = sns.barplot(x="Platform", y="SpecialPrice", data=df,
capsize=.2)
# recommending basedon price and ratings
text = widgets.Text()
print(tabulate([['Type the product name in below box and press enter
to search.']], tablefmt='grid'))
display(text)
text.on submit(search)
  | Type the product name in below box and press enter to search. |
+----+
{"version major":2, "version minor":0, "model id": "16edf8281aae45a29a829
78138a97713"}
IndexError
                                       Traceback (most recent call
```

```
last)
<ipython-input-39-0d387aa845fa> in search(sender)
            df = df filtered.sort values(by=['rating'],
ascending=[False]).copy()
            df.reset index(inplace=True)
            df top product = df.iloc[1]
---> 9
            msg = str.format('Recommended Platform : {0}',
     10
df top product.Platform)
            print(tabulate([[msg]], tablefmt='fancy grid'))
/usr/local/lib/python3.7/dist-packages/pandas/core/indexing.py in
 getitem (self, key)
    929
    930
                    maybe callable = com.apply if callable(key,
self.obj)
--> 931
                    return self. getitem axis(maybe callable,
axis=axis)
    932
    933
            def is scalar access(self, key: tuple):
/usr/local/lib/python3.7/dist-packages/pandas/core/indexing.py in
getitem axis(self, key, axis)
   1564
   1565
                    # validate the location
-> 1566
                    self._validate_integer(key, axis)
   1567
                    return self.obj. ixs(key, axis=axis)
   1568
/usr/local/lib/python3.7/dist-packages/pandas/core/indexing.py in
_validate_integer(self, key, axis)
   1498
                len axis = len(self.obj. get axis(axis))
   1499
                if key >= len axis or key < -len axis:
-> 1500
                    raise IndexError("single positional indexer is
out-of-bounds")
   1501
   1502
            #
```

IndexError: single positional indexer is out-of-bounds