

TITLE OF THE PROJECT: EXTRACT DATA FROM INDIAMART WEBSITE USING PYTHON

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IndiaMART
Indian e-commerce company



 [indiamart.com](#)

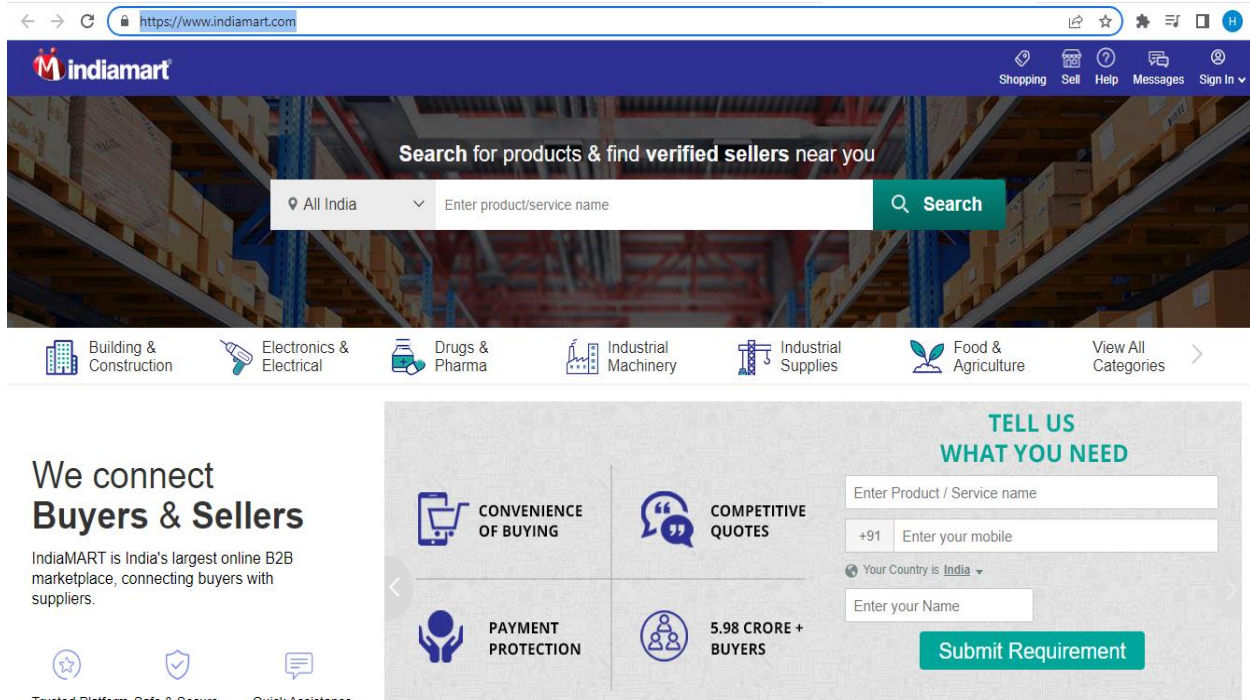
IndiaMART InterMESH Ltd. is an Indian e-commerce company that provides B2B and customer to customer sales services via its web portal. The group began in 1996 when Dinesh Agarwal and Brijesh Agrawal founded the website IndiaMART.com, [Wikipedia](#)

Headquarters: [Noida](#)

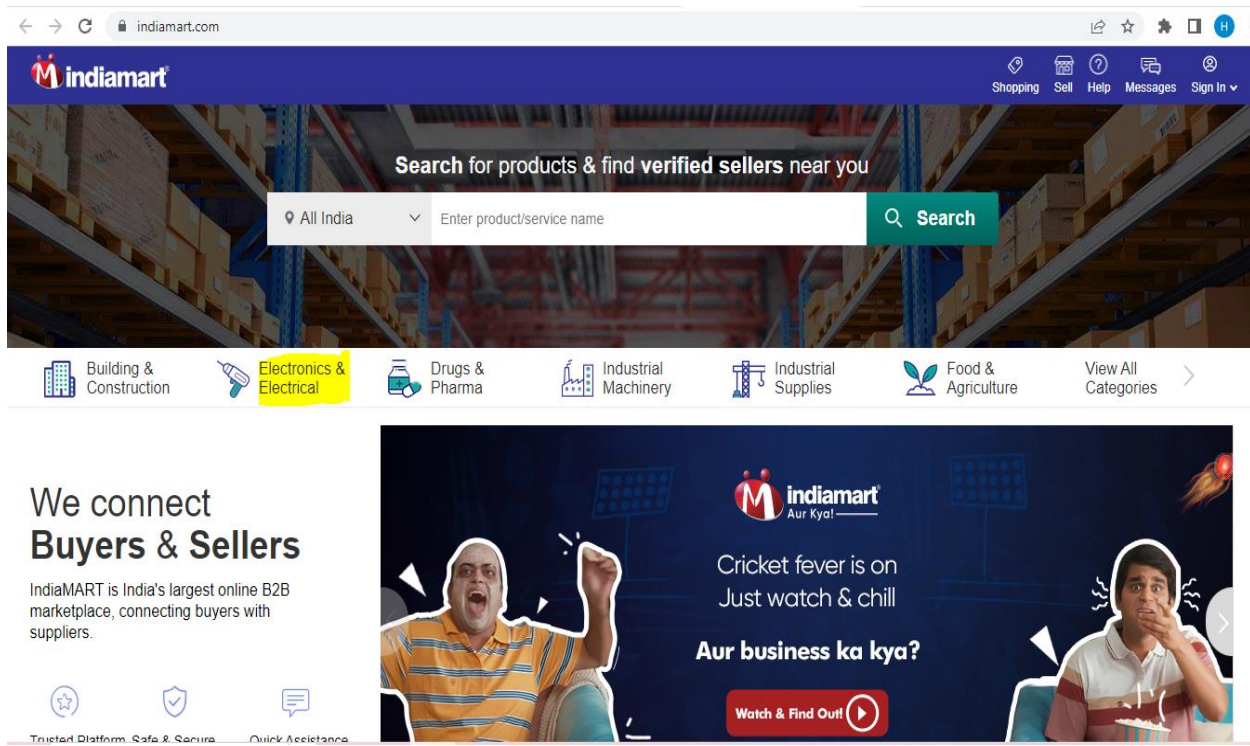
Founder(s): [Brijesh Agrawal](#), [Dinesh Agarwal](#)

Employees: 3,049

- Click on the first link:
- <https://www.indiamart.com/>



- Click on electronics and electrical:



- Click on xerox machines:

- Click on Inspect:

1. `import pandas as pd`
2. `import requests`
3. `from bs4 import BeautifulSoup`

- indiamart.com/imp/cax/xerox-machines.html

All India Enter product / service to search Search

Get Best Price Xerox Machines Shopping Sell Help Messages Hi KALINDINI

Xerox Machines

(15962 products available)

View by: List Grid Supplier

Location Enter city Near Me All India Visakhapatnam Mumbai Bengaluru

Filter Results

 - ☐ Video
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Related Category

 - Multifunction Printer
 - Laser Printer
 - Color Printers
 - Photocopying Services
 - Photocopier Rental
 - Printing Machine

Categories to explore

Canon Digital Photocopier Machine

Second Hand Xerox Machines

Digital Duplicator

Digital Photocopier Machine

Color Photocopier Machine

Xerox Machines

₹ 69,000 Get Latest Price

Supported OS: Windows XP
Supported Paper Size: A3
Functions: Photocopy
Number Of Trays: 1
Color Output: Black & White

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Elements Console Sources »

```

S.imimg.com/data5/SELLER/Default/2021/9/DR/GW/P1/2235895/epson-eco-tank-l31150-all-in-one-color-ink-tank-printer-250x250.jpg" type="image/webp">
<link rel="preload" fetchpriority="high" as="image" href="https://S.imimg.com/data5/SELLER/Default/2022/4/QM/DJ/J1/1415216/canon-ir-advance-4725-250x250.jpg" type="image/webp">
...<div class="main-tb mDf mUll"> flex == $0
  <div class="lst-cell flx1">
    <ul class="wlm mDf mFdc id="m">
      <li class="lst lst_cl mft img llc id="LST1" data-compvid="5157dYrDvn8" t="14" data-click="1" data-smIrcnt="3" data-itemid="168621138" data-dispid="23951265730" data-datatype data-glide="2235895" data-csttypowgt="149" data-csttypnm="LEADER" data-tscode="ordermagray" data-location="S.G. Highway" data-city="Ahmedabad" data-state="Gujarat" data-catid data-mcatid data-disflg="1" data-modref="2">
        <div class="f-div r-e-h ft bdr1" data-click="23951265730">
..._nhdrfxmn div msec div#lftlay-lfwrth div#wd100.wd100 div.main.tb.mDf.mW1 ...

```

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls + - [icon]

```

element.style {
}

.main-tb {
width: 100%;
display: flex;
}

.main-tb {
display: table;
position: relative;
}

p, div, form, input, textarea, button {
font-family: arial;
}

html, body, div, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var, b,

```

- Name of the product-

dir.indiamart.com/impcat/xerox-machines.html

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All India Enter product / service to search Search

Get Best Price Xerox Machines Photocopier Machine

Laser Printer
Color Printers
Photocopying Services
Photocopier Rental
Printing Machine

Related Services
Xerox Machine Rental Services

Related Brands
Canon Photocopy Machine
Xerox Photocopier Machine
Kyocera Photocopy Machine
Riso Digital Duplicator
Konica Minolta Photocopy Machine
Used Canon IR3300 Copiers
Ricoh Photocopy Machine
Sharp Photocopier Machines

Xerox Machines
₹ 69,000 Get Latest Price
Supported OS: Windows XP
Supported Paper Size: A3
Functions: Photocopy
Number Of Trays: 1
Color Output: Black & White
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Black & White, Multi Colored Grey And White Digital...
₹ 2.7 Lakh
Get Quote

A3 Canon IR advance 4725, Photocopy
₹ 1.6 Lakh Get Latest Price
Functions: Photocopy
Model Name/Number: Canon IR advance 4725
Supported Paper Size: A3
Supported OS: All

Window Size: A ₹ 1.8 L
Get Quote

Elements Console Sources

```

<div class="prd-img" data-click="Prod0Img"></div>
<div class="rht pnt flx">
  <span class="pnm ldf cur" style="display:block;">
  </span> == $0
  <p id="lprcncq" class="NP-1 price">
  </p>
  <div class="desc des_p elps3l">
  <a class="read wh mlin" href="https://www.indiamart.com/erodetail/xerox-machines-23951265730.html" target="_blank" data-click="ReadMore"> read more...
  </a>
  <a href="https://pdf.indiamart.com/indpdf/23951265730/235895/xerox-machines.pdf" class="pdf bg" target="_blank" title="PDF" data-click="ProdPDF">
  </a>
  </div>
  <div class="r-cl b-gry">
  </div>
  </div>
  ... lslst.cl.mf2.img.llc div.f-divr-e-hft.bdr.l div.clb-w. div.rht.pnt.flx span.pnm.ldf.cur ...
  Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility
  Filter :hov .cls +
  element.style {
    display: block;
  }
  .cur, #price-ask a: hover, .lknq-lnk3, .cl_d, span.getq, pre_mcatlay-n-v73.css:1
  .get-q, .tpb, .rib, .immd img, .show_m, .qbtn, .grbtn, .s_fd, .bp, .e_btn,
  #eto_ofr_ftr_fm, .mmor, .spro img, .fd_ar, .fd_ar span, .imgg.button, .fd_btn,
  .grbtn, .arl, .arr, .e-tlso .imgc, .filter .btb, .srl, .srls, .arr_dw, .arr_up,
  .arr_dw-1, .arr_up-1, a.va, .gview a, .daybx, .blcl, .dbox, .tbox, .ilps img,
  .ilps .lslm {
    cursor: pointer;
  }
  Inherited from div.rht.pnt.flx
  p, div, form, input, textarea, button {
    font-family: arial;
  }
  html, hndv, div, annolet, nhict, iframe, h1, h2, h3, pre_mcatlay-n-v73.css:1

```

- Price of the product-

dir.indiamart.com/impcat/xerox-machines.html

indiamart

All India Enter product / service to search Search

Get Best Price Xerox Machines Photocopier Machine

Laser Printer
Color Printers
Photocopying Services
Photocopier Rental
Printing Machine

Related Services
Xerox Machine Rental Services

Related Brands
Canon Photocopy Machine
Xerox Photocopier Machine
Kyocera Photocopy Machine
Riso Digital Duplicator
Konica Minolta Photocopy Machine
Used Canon IR3300 Copiers
Ricoh Photocopy Machine
Sharp Photocopier Machines

Xerox Machines
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Black & White, Multi Colored Grey And White Digital...
₹ 2.7 Lakh
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A3 Canon IR advance 4725, Photocopy
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Functions: Photocopy
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Supported Paper Size: A3
Supported OS: All

Window Size: A ₹ 1.8 L
Get Quote

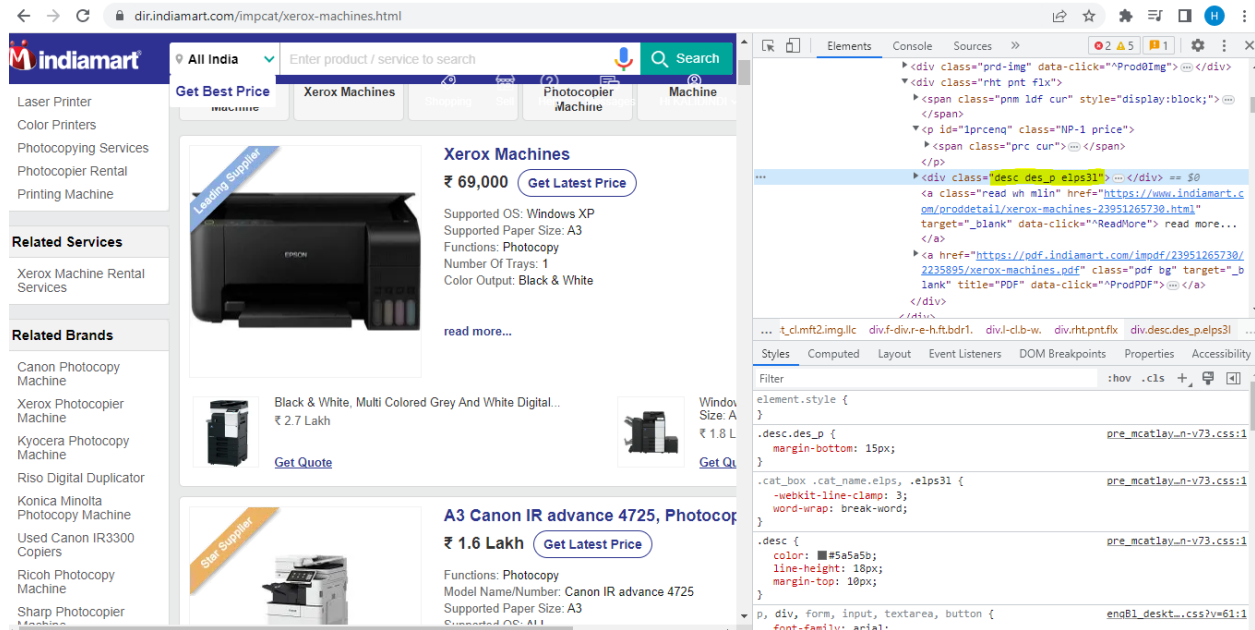
Elements Console Sources

```

<div class="prd-img" data-click="Prod0Img"></div>
<div class="rht pnt flx">
  <span class="pnm ldf cur" style="display:block;">
  </span> == $0
  <p id="lprcncq" class="NP-1 price">
  </p>
  <div class="desc des_p elps3l">
  <a class="read wh mlin" href="https://www.indiamart.com/erodetail/xerox-machines-23951265730.html" target="_blank" data-click="ReadMore"> read more...
  </a>
  <a href="https://pdf.indiamart.com/indpdf/23951265730/235895/xerox-machines.pdf" class="pdf bg" target="_blank" title="PDF" data-click="ProdPDF">
  </a>
  </div>
  </div>
  ... div.f-divr-e-hft.bdr.l div.rht.pnt.flx p#31 prcncq.NP-1.price span.prcur ...
  Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility
  Filter :hov .cls +
  element.style {
    .price span.cur {
      color: #333;
      font-size: 18px;
      font-weight: bold;
    }
    .price span {
      color: #767676;
      font-size: 12px;
      font-weight: 400;
    }
    .cur, #price-ask a: hover, .lknq-lnk3, .cl_d, span.getq, pre_mcatlay-n-v73.css:1
    .get-q, .tpb, .rib, .immd img, .show_m, .qbtn, .grbtn, .s_fd, .bp, .e_btn,
    #eto_ofr_ftr_fm, .mmor, .spro img, .fd_ar, .fd_ar span, .imgg.button, .fd_btn,
    .grbtn, .arl, .arr, .e-tlso .imgc, .filter .btb, .srl, .srls, .arr_dw, .arr_up,
    .arr_dw-1, .arr_up-1, a.va, .gview a, .daybx, .blcl, .dbox, .tbox, .ilps img,
    .ilps .lslm {
      cursor: pointer;
    }
  }
  Inherited from div.rht.pnt.flx
  p, div, form, input, textarea, button {
    font-family: arial;
  }
  html, hndv, div, annolet, nhict, iframe, h1, h2, h3, pre_mcatlay-n-v73.css:1

```

- Finally: The description of the product-



- Once we have the class information use the below code to extract the information:

url = <https://dir.indiamart.com/impcat/xerox-machines.html>

```
r = requests.get(url)
```

```
print(r)
```

```
soup = BeautifulSoup(r.text,"html.parser")
```

```
mydata = {"name":[],"price":[],"description":[]}
```

```
namelist = []
```

```
pricelist = []
```

```
descriptionlist = []
```

```
data = soup.findAll("div",class_ = "main-tb mDf mW1")
```

```
# len(data)
```

```
# len(data.find('div'))
```

for each in data:

```
data_new = each.findAll('div')
```

for each in data_new:

```
names = each.find('span', class_ = 'pnm ldf cur')
```

```
prices = each.find('span', class_ = 'prc cur')
```

```
description = each.find('div', class_ = 'desc des_p elps3l')
```

if names != None and description != None and prices != None:

```
name = names.text
```

```
price = prices.text
```

```
description = description.text
```

```
mydata["name"].append(name)
```

```
mydata["price"].append(price)
```

```
mydata["description"].append(description)
```

```
In [8]: import pandas as pd  
import requests  
from bs4 import BeautifulSoup
```

```
In [9]: url = "https://dir.indiamart.com/impcat/xerox-machines.html"
```

```
In [10]: r = requests.get(url)
```

```
In [11]: print(r)
```

```
<Response [200]>
```

```
In [12]: soup = BeautifulSoup(r.text, "html.parser")
```

```
In [14]: mydata = {"name": [], "price": [], "description": []}
```

```
namelist = []  
pricelist = []  
descriptionlist = []
```

```
In [ ]: data = soup.findAll("div", class_ = "main-tb mD# mW1")
```

```
In [ ]: # len(data)  
# len(data.find('div'))  
for each in data:  
    data_new = each.findAll('div')  
    for each in data_new:  
        names = each.find('span', class_ = 'pnm ldf cur')  
        prices = each.find('span', class_ = 'prc cur')  
        description = each.find('div', class_ = 'desc des_p elps3l')  
        if names != None and description != None and prices != None:  
            name = names.text  
            price = prices.text  
            description = description.text  
            mydata["name"].append(name)  
            mydata["price"].append(price)  
            mydata["description"].append(description)
```

- After extracting the data remove the duplicates and use the below code to load the data in csv file and set the location for the file storage:

```
# print(mydata)
```

```
df = pd.DataFrame.from_dict(mydata)
```

```
data = df.drop_duplicates()
```

```
# data.head()
```

```
data.to_csv('C:/Users/DELL/Desktop/Harika_DE_projects/beautifulSoupdataextractproject.csv')
```

```
In [ ]: # print(mydata)

df = pd.DataFrame.from_dict(mydata)

In [ ]: data = df.drop_duplicates()

In [ ]: # data.head()
data.to_csv('C:/Users/DELL/Desktop/Harika_DE_projects/beautifulSoupdataextractproject.csv')
```

- Open and check the csv file:

	A	B	C	D	E
	name	price	description		
1					
2	0 Xerox Machines	₹, ₹ 69,000	Get Latest Price Supported OS: Windows XPSupported Paper Size: A3Functions: PhotocopyNumber Of Trays: 1Color Output: Black & White		
3	4 A3 Canon IR advance 4725, Photocopy	₹, ₹ 1.6 Lakh	Get Latest Price Functions: PhotocopyModel Name/Number: Canon IR advance 4725Supported Paper Size: A3Supported OS: ALLColor Output:		
4	7 Konica Minolta C280 Photocopy Machine	₹, ₹ 1.4 Lakh	Get Latest Price Model Number: C280Print Speed: 28 ppmPrint Technology: LaserDuty Cycle: 75000 PrintsWarm-Up Time: Approx. 45secBrand		
5	10 Konica Minolta Photocopy Machine	₹, ₹ 95,000	Get Latest Price Number Of Trays: 2Item Color: blackInput Tray Capacity: 100 sheetWarm-Up Time: 5 minProcessor Speed: 20ppmDuplexing: y		
6	13 Cartridge & Toner Pouch Multi Colored Xerox W	₹, ₹ 65,000	Get Latest Price Brand: XeroxSupported Paper Size: 13/19, A3, Legal FC, A4, A5Color Output: Multi ColoredModel Number: Black & White, Mul		
7	16 Konica Minolta Photocopier Machine	₹, ₹ 40,000	Get Latest Price Brand: KonicaController CPU: MPC8533 @ 1 GHzPrinter Fonts: 80x PCL Latin, 137x PostScript 3 Emulation LatinPrint Resolution:		
8	19 Xerox WC 7428 Multifunctional Photocopier	₹, ₹ 75,000	Get Latest Price Functions: PhotocopySupported Paper Size: A4Supported OS: Windows 7Color Output: Black & WhiteNumber Of Trays: 2Print		
9	22 Ricoh DX2430 Digital Duplicator	₹, ₹ 1.15 Lakh	Get Latest Price Supported Paper Size: B4Model Name/Number: DX2430Weight: 55KGHigh-speed printing does not have to be expensive. The		
10	25 Kyocera Taskalfa 32121 Photocopy Machine, Multi	₹, ₹ 1.45 Lakh	Get Latest Price Functions: Multi-FunctionSupported Paper Size: A3Supported OS: Windows 8TASKALFA 32121 MULTIFUNCTION PHOTO COPIER N		
11	28 A3 Riso ME6350 Dual Drum Digital Duplicator Co	₹, ₹ 9.5 Lakh	Get Latest Price Supported Paper Size: A3Condition: NewFunctions: Photocopy, Print, Scan, Multi-FunctionColor Output: Multi ColoredMax Pr		
12	31 Print Speed: 50 Ppm Canon Ir 6000 Photocopy M	₹, ₹ 1.95 Lakh	Get Latest Price Model Name/Number: Ir 6000Print Speed: 50 ppmDuty Cycle: Up to 230000 impressions/monthFunctions: Multi-FunctionColor		
13	34 Docucolor(tm) 242/252/260 A3 Multifunction Co	₹, ₹ 3.5 Lakh	Get Latest Price Functions: Multi-FunctionSupported Paper Size: A3Model Name/Number: DocuColor(TM) 242/252/260Supported OS: Window		
14	37 Color Xerox Machine	₹, ₹ 55,000	Get Latest Price Number Of Trays: 4Item Color: ColorInput Tray Capacity: 500 pages75kg: 3.5 heightXerox color 7435/7428		
15	40 Xerox DocuCentre SC2020 Platen A3 Size Color P	₹, ₹ 1.15 Lakh	Get Latest Price Functions: Multi-FunctionSupported Paper Size: A3The DocuCentre SC2020 is an affordable solution that gives you all the func		
16	43 7830 A3 Xerox Work Center RC Machines, Multi-	₹, ₹ 90,000	Get Latest Price Functions: Multi-FunctionSupported Paper Size: A3Model Name/Number: 7830Supported OS: Windows 8Color Output: Multi		
17	46 Xerox Machine	₹, ₹ 75,000	Get Latest Price Color Output: Black & WhiteCondition: Second handSupported Paper Size: A3, A4, A5Number Of Trays: 4Print Technology: Las		
18	49 Konica Minolta Bh C360i	₹, ₹ 3.35 Lakh	Get Latest Price Functions: Print Scan CopyTechnology: LaserColor output: Color B&WConnectivity: Wireless LANUsage: For OfficeNumb		
19	52 Sindoh Photocopier Machine, N-411, Warranty: 1	₹, ₹ 1.29 Lakh	Get Latest Price Color Output: Black & WhiteFunctions: Scan, Multi-Function, Print, PhotocopySupported Paper Size: A4, A3Number Of Trays: 2		
20	55 Black & White Konica Minolta Photocopy Machir	₹, ₹ 38,000	Get Latest Price Print Speed: 16PPMBrand: Konica MinoltaModel Name/Number: Konicaminolta BIZHUB 165EColor Output: Black & WhitePrint		
21	58 Duplo Table Top DP-G215 Digital Duplicator, 300	₹, ₹ 2.62 Lakh	Get Latest Price Brand: DuploSupported Paper Size: B4Model Name/Number: DP-G215Print Speed: 60 - 130 ppm 3stepResolution: 300dpi x 36		
22	61 A4 Photo Copy Machine, Multi-Function	₹, ₹ 72,000	Get Latest Price Functions: Multi-FunctionSupported Paper Size: A4Model Name/Number: Krocera 2321Color Outout: Black & WhiteNumber		

