

## pyspark\_class

November 30, 2024

```
[ ]: !pip install pyspark
!pip install -U -q PyDrive
!apt install openjdk-8-jdk-headless -qq
import os
os.environ["JAVA_HOME"] = "/usr/lib/jvm/java-8-openjdk-amd64"
```

Collecting pyspark

Downloading pyspark-3.5.3.tar.gz (317.3 MB)

317.3/317.3

MB 4.5 MB/s eta 0:00:00

Preparing metadata (setup.py) ... done

Requirement already satisfied: py4j==0.10.9.7 in /usr/local/lib/python3.10/dist-packages (from pyspark) (0.10.9.7)

Building wheels for collected packages: pyspark

Building wheel for pyspark (setup.py) ... done

Created wheel for pyspark: filename=pyspark-3.5.3-py2.py3-none-any.whl

size=317840625

sha256=c4d26aa95f20ac5c1334a4317dbb7f9ffb19abaf100f17c2f0f12b6144957ace

Stored in directory: /root/.cache/pip/wheels/1b/3a/92/28b93e2fbfdbb07509ca4d6f50c5e407f48dce4ddbda69a4ab

Successfully built pyspark

Installing collected packages: pyspark

Successfully installed pyspark-3.5.3

The following additional packages will be installed:

libxtst6 openjdk-8-jre-headless

Suggested packages:

openjdk-8-demo openjdk-8-source libnss-mdns fonts-dejavu-extra fonts-nanum fonts-ipafont-gothic

fonts-ipafont-mincho fonts-wqy-microhei fonts-wqy-zenhei fonts-indic

The following NEW packages will be installed:

libxtst6 openjdk-8-jdk-headless openjdk-8-jre-headless

0 upgraded, 3 newly installed, 0 to remove and 49 not upgraded.

Need to get 39.6 MB of archives.

After this operation, 144 MB of additional disk space will be used.

Selecting previously unselected package libxtst6:amd64.

(Reading database ... 123605 files and directories currently installed.)

Preparing to unpack .../libxtst6\_2%3a1.2.3-1build4\_amd64.deb ...

```

Unpacking libxtst6:amd64 (2:1.2.3-1build4) ...
Selecting previously unselected package openjdk-8-jre-headless:amd64.
Preparing to unpack .../openjdk-8-jre-headless_8u422-b05-1~22.04_amd64.deb ...
Unpacking openjdk-8-jre-headless:amd64 (8u422-b05-1~22.04) ...
Selecting previously unselected package openjdk-8-jdk-headless:amd64.
Preparing to unpack .../openjdk-8-jdk-headless_8u422-b05-1~22.04_amd64.deb ...
Unpacking openjdk-8-jdk-headless:amd64 (8u422-b05-1~22.04) ...
Setting up libxtst6:amd64 (2:1.2.3-1build4) ...
Setting up openjdk-8-jre-headless:amd64 (8u422-b05-1~22.04) ...
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/orbd to
provide /usr/bin/orbd (orbd) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/servertool
to provide /usr/bin/servertool (servertool) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/tnameserv
to provide /usr/bin/tnameserv (tnameserv) in auto mode
Setting up openjdk-8-jdk-headless:amd64 (8u422-b05-1~22.04) ...
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/clhsdb to
provide /usr/bin/clhsdb (clhsdb) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/extcheck to
provide /usr/bin/extcheck (extcheck) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/hsdb to provide
/usr/bin/hsdb (hsdb) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/idlj to provide
/usr/bin/idlj (idlj) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/javah to
provide /usr/bin/javah (javah) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/jhat to provide
/usr/bin/jhat (jhat) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/jsadebugd to
provide /usr/bin/jsadebugd (jsadebugd) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/native2ascii to
provide /usr/bin/native2ascii (native2ascii) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/schemagen to
provide /usr/bin/schemagen (schemagen) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/wsgen to
provide /usr/bin/wsgen (wsgen) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/wsimport to
provide /usr/bin/wsimport (wsimport) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/bin/xjc to provide
/usr/bin/xjc (xjc) in auto mode
Processing triggers for libc-bin (2.35-0ubuntu3.4) ...
/sbin/ldconfig.real: /usr/local/lib/libtbbbind_2_5.so.3 is not a symbolic link

/sbin/ldconfig.real: /usr/local/lib/libtbb.so.12 is not a symbolic link

/sbin/ldconfig.real: /usr/local/lib/libur_loader.so.0 is not a symbolic link

/sbin/ldconfig.real: /usr/local/lib/libtbbbind_2_0.so.3 is not a symbolic link

```



```
[ ]: {'heroes_information.csv': b"name,Gender,Eye color,Race,Hair
color,Height,Publisher,Skin
color,Alignment,Weight\r\n0,A-Bomb,Male,yellow,Human,No Hair,203.0,Marvel
Comics,-,good,441.0\r\n1,Abe Sapien,Male,blue,Icthyo Sapien,No Hair,191.0,Dark
Horse Comics,blue,good,65.0\r\n2,Abin Sur,Male,blue,Ungaran,No Hair,185.0,DC
Comics,red,good,90.0\r\n3,Abomination,Male,green,Human / Radiation,No
Hair,203.0,Marvel Comics,-,bad,441.0\r\n4,Abraxas,Male,blue,Cosmic
Entity,Black,-99.0,Marvel Comics,-,bad,-99.0\r\n5,Absorbing
Man,Male,blue,Human,No Hair,193.0,Marvel Comics,-,bad,122.0\r\n6,Adam
Monroe,Male,blue,-,Blond,-99.0,NBC - Heroes,-,good,-99.0\r\n7,Adam
Strange,Male,blue,Human,Blond,185.0,DC Comics,-,good,88.0\r\n8,Agent
13,Female,blue,-,Blond,173.0,Marvel Comics,-,good,61.0\r\n9,Agent
Bob,Male,brown,Human,Brown,178.0,Marvel Comics,-,good,81.0\r\n10,Agent
Zero,Male,-,-,-,191.0,Marvel Comics,-,good,104.0\r\n11,Air-
Walker,Male,blue,-,White,188.0,Marvel
Comics,-,bad,108.0\r\n12,Ajax,Male,brown,Cyborg,Black,193.0,Marvel
Comics,-,bad,90.0\r\n13,Alan Scott,Male,blue,-,Blond,180.0,DC
Comics,-,good,90.0\r\n14,Alex
Mercer,Male,-,Human,-,-99.0,Wildstorm,-,bad,-99.0\r\n15,Alex
Woolsly,Male,-,-,-,-99.0,NBC - Heroes,-,good,-99.0\r\n16,Alfred
Pennyworth,Male,blue,Human,Black,178.0,DC
Comics,-,good,72.0\r\n17,Alien,Male,-,Xenomorph XX121,No Hair,244.0,Dark Horse
Comics,black,bad,169.0\r\n18,Allan Quatermain,Male,-,-,-,-99.0,Wildstorm,-
,good,-99.0\r\n19,Amazo,Male,red,Android,-,257.0,DC
Comics,-,bad,173.0\r\n20,Ammo,Male,brown,Human,Black,188.0,Marvel
Comics,-,bad,101.0\r\n21,Ando Masahashi,Male,-,-,-,-99.0,NBC -
Heroes,-,good,-99.0\r\n22,Angel,Male,blue,-,Blond,183.0,Marvel
Comics,-,good,68.0\r\n23,Angel,Male,-,Vampire,-,-99.0,Dark Horse
Comics,-,good,-99.0\r\n24,Angel Dust,Female,yellow,Mutant,Black,165.0,Marvel
Comics,-,good,57.0\r\n25,Angel Salvadore,Female,brown,-,Black,163.0,Marvel
Comics,-,good,54.0\r\n26,Angela,Female,-,-,-,-99.0,Image
Comics,-,bad,-99.0\r\n27,Animal Man,Male,blue,Human,Blond,183.0,DC
Comics,-,good,83.0\r\n28,Annihilus,Male,green,-,No Hair,180.0,Marvel
Comics,-,bad,90.0\r\n29,Ant-Man,Male,blue,Human,Blond,211.0,Marvel
Comics,-,good,122.0\r\n30,Ant-Man II,Male,blue,Human,Blond,183.0,Marvel
Comics,-,good,86.0\r\n31,Anti-Monitor,Male,yellow,God / Eternal,No Hair,61.0,DC
Comics,-,bad,-99.0\r\n32,Anti-Spawn,Male,-,-,-,-99.0,Image
Comics,-,bad,-99.0\r\n33,Anti-Venom,Male,blue,Symbiote,Blond,229.0,Marvel
Comics,-,-,358.0\r\n34,Apocalypse,Male,red,Mutant,Black,213.0,Marvel
Comics,greyscale,bad,135.0\r\n35,Aquababy,Male,blue,-,Blond,-99.0,DC
Comics,-,good,-99.0\r\n36,Aqualad,Male,blue,Atlantean,Black,178.0,DC
Comics,-,good,106.0\r\n37,Aquaman,Male,blue,Atlantean,Blond,185.0,DC
Comics,-,good,146.0\r\n38,Arachne,Female,blue,Human,Blond,175.0,Marvel
Comics,-,good,63.0\r\n39,Archangel,Male,blue,Mutant,Blond,183.0,Marvel
Comics,blue,good,68.0\r\n40,Arclight,Female,violet,-,Purple,173.0,Marvel
Comics,-,bad,57.0\r\n41,Ardina,Female,white,Alien,Orange,193.0,Marvel
Comics,gold,good,98.0\r\n42,Ares,Male,brown,-,Brown,185.0,Marvel
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Comics,-,good,270.0\r\n43,Ariel,Female,purple,-,Pink,165.0,Marvel  
 Comics,-,good,59.0\r\n44,Armor,Female,black,-,Black,163.0,Marvel  
 Comics,-,good,50.0\r\n45,Arsenal,Male,-,Human,-,-99.0,DC  
 Comics,-,good,-99.0\r\n46,Astro Boy,Male,brown,-,Black,-99.0,-,good,-  
 99.0\r\n47,Atlas,Male,brown,Mutant,Red,183.0,Marvel  
 Comics,-,good,101.0\r\n48,Atlas,Male,blue,God / Eternal,Brown,198.0,DC  
 Comics,-,bad,126.0\r\n49,Atom,Male,blue,-,Red,178.0,DC  
 Comics,-,good,68.0\r\n50,Atom,Male,-,-,-99.0,DC Comics,-,good,-99.0\r\n51,Atom  
 Girl,Female,black,-,Black,168.0,DC Comics,-,good,54.0\r\n52,Atom  
 II,Male,brown,Human,Auburn,183.0,DC Comics,-,good,81.0\r\n53,Atom  
 III,Male,-,-,Red,-99.0,DC Comics,-,good,-99.0\r\n54,Atom  
 IV,Male,brown,-,Black,-99.0,DC  
 Comics,-,good,72.0\r\n55,Aurora,Female,blue,Mutant,Black,180.0,Marvel  
 Comics,-,good,63.0\r\n56,Azazel,Male,yellow,Neyaphem,Black,183.0,Marvel  
 Comics,red,bad,67.0\r\n57,Azrael,Male,brown,Human,Black,-99.0,DC  
 Comics,-,good,-99.0\r\n58,Aztar,Male,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n59,Bane,Male,-,Human,-,203.0,DC  
 Comics,-,bad,180.0\r\n60,Banshee,Male,green,Human,Strawberry Blond,183.0,Marvel  
 Comics,-,good,77.0\r\n61,Bantam,Male,brown,-,Black,165.0,Marvel  
 Comics,-,good,54.0\r\n62,Batgirl,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n63,Batgirl,Female,green,Human,Red,170.0,DC  
 Comics,-,good,57.0\r\n64,Batgirl III,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n65,Batgirl IV,Female,green,Human,Black,165.0,DC  
 Comics,-,good,52.0\r\n66,Batgirl V,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n67,Batgirl VI,Female,blue,-,Blond,168.0,DC  
 Comics,-,good,61.0\r\n68,Batman,Male,blue,Human,black,188.0,DC  
 Comics,-,good,95.0\r\n69,Batman,Male,blue,Human,Black,178.0,DC  
 Comics,-,good,77.0\r\n70,Batman II,Male,blue,Human,Black,178.0,DC  
 Comics,-,good,79.0\r\n71,Battlestar,Male,brown,-,Black,198.0,Marvel  
 Comics,-,good,133.0\r\n72,Batwoman V,Female,green,Human,Red,178.0,DC  
 Comics,-,good,-99.0\r\n73,Beak,Male,black,-,White,175.0,Marvel  
 Comics,-,good,63.0\r\n74,Beast,Male,blue,Mutant,Blue,180.0,Marvel  
 Comics,blue,good,181.0\r\n75,Beast Boy,Male,green,Human,Green,173.0,DC  
 Comics,green,good,68.0\r\n76,Beetle,Male,-,-,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n77,Ben 10,Male,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n78,Beta Ray Bill,Male,-,-,No Hair,201.0,Marvel  
 Comics,-,good,216.0\r\n79,Beyonder,Male,-,God / Eternal,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n80,Big Barda,Female,blue,New God,Black,188.0,DC  
 Comics,-,bad,135.0\r\n81,Big Daddy,Male,-,-,-99.0,Icon  
 Comics,-,good,-99.0\r\n82,Big Man,Male,blue,-,Brown,165.0,Marvel  
 Comics,-,bad,71.0\r\n83,Bill  
 Harken,Male,-,Alpha,-,-99.0,SyFy,-,good,-99.0\r\n84,Billy  
 Kincaid,Male,-,-,-99.0,Image  
 Comics,-,bad,-99.0\r\n85,Binary,Female,blue,-,Blond,180.0,Marvel  
 Comics,-,good,54.0\r\n86,Bionic  
 Woman,Female,blue,Cyborg,Black,-99.0,-,good,-99.0\r\n87,Bird-  
 Brain,-,-,-,-99.0,Marvel Comics,-,good,-99.0\r\n88,Bird-

Man, Male, -, Human, -, -99.0, Marvel Comics, -, bad, -99.0\r\n89, Bird-Man  
 II, Male, -, Human, -, -99.0, Marvel Comics, -, bad, -99.0\r\n90, Birdman, Male, -, God /  
 Eternal, -, -99.0, Hanna-Barbera, -, good, -99.0\r\n91, Bishop, Male, brown, Mutant, No  
 Hair, 198.0, Marvel  
 Comics, -, good, 124.0\r\n92, Bizarro, Male, black, Bizarro, Black, 191.0, DC  
 Comics, white, neutral, 155.0\r\n93, Black Abbott, Male, red, -, Black, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n94, Black Adam, Male, brown, -, Black, 191.0, DC  
 Comics, -, bad, 113.0\r\n95, Black Bolt, Male, blue, Inhuman, Black, 188.0, Marvel  
 Comics, -, good, 95.0\r\n96, Black Canary, Female, blue, Human, Blond, 165.0, DC  
 Comics, -, good, 58.0\r\n97, Black Canary, Female, blue, Metahuman, Blond, 170.0, DC  
 Comics, -, good, 59.0\r\n98, Black Cat, Female, green, Human, Blond, 178.0, Marvel  
 Comics, -, good, 54.0\r\n99, Black Flash, Male, -, God / Eternal, -, -99.0, DC  
 Comics, -, neutral, -99.0\r\n100, Black Goliath, Male, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n101, Black Knight III, Male, brown, Human, Brown, 183.0, Marvel  
 Comics, -, good, 86.0\r\n102, Black Lightning, Male, brown, -, No Hair, 185.0, DC  
 Comics, -, good, 90.0\r\n103, Black Mamba, Female, green, -, Black, 170.0, Marvel  
 Comics, -, bad, 52.0\r\n104, Black Manta, Male, black, Human, No Hair, 188.0, DC  
 Comics, -, bad, 92.0\r\n105, Black Panther, Male, brown, Human, Black, 183.0, Marvel  
 Comics, -, good, 90.0\r\n106, Black Widow, Female, green, Human, Auburn, 170.0, Marvel  
 Comics, -, good, 59.0\r\n107, Black Widow II, Female, blue, -, Blond, 170.0, Marvel  
 Comics, -, good, 61.0\r\n108, Blackout, Male, red, Demon, White, 191.0, Marvel  
 Comics, white, bad, 104.0\r\n109, Blackwing, Male, blue, -, Black, 185.0, Marvel  
 Comics, -, bad, 86.0\r\n110, Blackwulf, Male, red, Alien, White, 188.0, Marvel  
 Comics, -, -, 88.0\r\n111, Blade, Male, brown, Vampire, Black, 188.0, Marvel  
 Comics, -, good, 97.0\r\n112, Blaquesmith, -, black, -, No Hair, -99.0, Marvel  
 Comics, -, good, -99.0\r\n113, Blink!, Female, -, -, -, 168.0, Marvel  
 Comics, -, good, 68.0\r\n114, Blink, Female, green, Mutant, Magenta, 165.0, Marvel  
 Comics, pink, good, 56.0\r\n115, Blizzard, Male, -, -, -, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n116, Blizzard, Male, -, -, Brown, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n117, Blizzard II, Male, brown, -, Brown, 175.0, Marvel  
 Comics, -, bad, 77.0\r\n118, Blob, Male, brown, -, Brown, 178.0, Marvel  
 Comics, -, bad, 230.0\r\n119, Bloodaxe, Female, blue, Human, Brown, 218.0, Marvel  
 Comics, -, bad, 495.0\r\n120, Bloodhawk, Male, black, Mutant, No Hair, -99.0, Marvel  
 Comics, -, good, -99.0\r\n121, Bloodwraith, Male, white, -, No Hair, 30.5, Marvel  
 Comics, -, bad, -99.0\r\n122, Blue Beetle, Male, blue, -, Brown, -99.0, DC  
 Comics, -, good, -99.0\r\n123, Blue Beetle, Male, -, -, -, -99.0, DC  
 Comics, -, good, -99.0\r\n124, Blue Beetle II, Male, blue, -, Brown, 183.0, DC  
 Comics, -, good, 86.0\r\n125, Blue Beetle III, Male, brown, Human, Black, -99.0, DC  
 Comics, -, good, -99.0\r\n126, Boba Fett, Male, brown, Human / Clone, Black, 183.0, George  
 Lucas, -, bad, -99.0\r\n127, Bolt, Male, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n128, Bomb Queen, Female, -, -, -, -99.0, Image  
 Comics, -, bad, -99.0\r\n129, Boom-Boom, Female, blue, Mutant, Blond, 165.0, Marvel  
 Comics, -, good, 55.0\r\n130, Boomer, Female, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n131, Booster Gold, Male, blue, Human, Blond, 196.0, DC  
 Comics, -, good, 97.0\r\n132, Box, Male, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n133, Box III, -, blue, -, Blond, 193.0, Marvel  
 Comics, -, good, 110.0\r\n134, Box IV, -, brown, -, Brown / Black, -99.0, Marvel

Comics,-,good,-99.0\r\n135,Brainiac,Male,green,Android,No Hair,198.0,DC  
 Comics,green,bad,135.0\r\n136,Brainiac 5,Male,green,-,Blond,170.0,DC  
 Comics,-,good,61.0\r\n137,Brother Voodoo,Male,brown,Human,Brown /  
 White,183.0,Marvel Comics,-,good,99.0\r\n138,Brundlefly,Male,-,Mutant,-,193.0,-,  
 -,99.0\r\n139,Buffy,Female,green,Human,Blond,157.0,Dark Horse  
 Comics,-,good,52.0\r\n140,Bullseye,Male,blue,Human,blond,183.0,Marvel  
 Comics,-,bad,90.0\r\n141,Bumblebee,Female,brown,Human,Black,170.0,DC  
 Comics,-,good,59.0\r\n142,Bumbleboy,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n143,Bushido,Male,-,Human,-,-99.0,DC  
 Comics,-,good,-99.0\r\n144,Cable,Male,blue,Mutant,White,203.0,Marvel  
 Comics,-,good,158.0\r\n145,Callisto,Female,blue,-,Black,175.0,Marvel  
 Comics,-,bad,74.0\r\n146,Cameron Hicks,Male,-,Alpha,-,-99.0,SyFy,-,good,-  
 99.0\r\n147,Cannonball,Male,blue,-,Blond,183.0,Marvel  
 Comics,-,good,81.0\r\n148,Captain America,Male,blue,Human,blond,188.0,Marvel  
 Comics,-,good,108.0\r\n149,Captain Atom,Male,blue,Human /  
 Radiation,Silver,193.0,DC Comics,silver,good,90.0\r\n150,Captain  
 Britain,Male,blue,Human,Blond,198.0,Marvel Comics,-,good,116.0\r\n151,Captain  
 Cold,Male,brown,Human,Brown,-99.0,DC Comics,-,neutral,-99.0\r\n152,Captain  
 Epic,Male,blue,-,Brown,188.0,Team Epic TV,-,good,-99.0\r\n153,Captain  
 Hindsight,Male,-,Human,Black,-99.0,South Park,-,good,-99.0\r\n154,Captain Mar-  
 vell,Male,blue,-,Blond,188.0,Marvel Comics,-,good,108.0\r\n155,Captain  
 Marvel,Female,blue,Human-Kree,Blond,180.0,Marvel  
 Comics,-,good,74.0\r\n156,Captain Marvel,Male,blue,Human,Black,193.0,DC  
 Comics,-,good,101.0\r\n157,Captain Marvel II,Male,blue,Human,Black,175.0,DC  
 Comics,-,good,74.0\r\n158,Captain Midnight,Male,-,Human,-,-99.0,Dark Horse  
 Comics,-,good,-99.0\r\n159,Captain Planet,Male,red,God /  
 Eternal,Green,-99.0,Marvel Comics,-,good,-99.0\r\n160,Captain Universe,-,-,God /  
 Eternal,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n161,Carnage,Male,green,Symbiote,Red,185.0,Marvel  
 Comics,-,bad,86.0\r\n162,Cat,Female,blue,-,Blond,173.0,Marvel  
 Comics,-,good,61.0\r\n163,Cat II,Female,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n164,Catwoman,Female,green,Human,Black,175.0,DC  
 Comics,-,good,61.0\r\n165,Cecilia Reyes,-,brown,-,Brown,170.0,Marvel  
 Comics,-,good,62.0\r\n166,Century,Male,white,Alien,White,201.0,Marvel  
 Comics,greyscale,good,97.0\r\n167,Cerebra,Female,-,Mutant,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n168,Chamber,Male,brown,Mutant,Brown,175.0,Marvel  
 Comics,-,good,63.0\r\n169,Chameleon,Male,-,-,-99.0,DC  
 Comics,-,bad,-99.0\r\n170,Changeling,Male,brown,-,Black,180.0,Marvel  
 Comics,-,bad,81.0\r\n171,Cheetah,Female,green,Human,Blond,163.0,DC  
 Comics,-,bad,50.0\r\n172,Cheetah II,Female,green,Human,Brown,170.0,DC  
 Comics,-,bad,55.0\r\n173,Cheetah III,Female,brown,Human,Brown,175.0,DC  
 Comics,-,bad,54.0\r\n174,Chromos,Male,brown,-,Red / Grey,185.0,Team Epic  
 TV,-,bad,86.0\r\n175,Chuck Norris,Male,-,-,-178.0,-,good,-99.0\r\n176,Citizen  
 Steel,Male,green,Human,Red,183.0,DC Comics,-,good,170.0\r\n177,Claire  
 Bennet,Female,blue,-,Blond,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n178,Clea,-,-,-White,-99.0,Marvel  
 Comics,-,good,-99.0\r\n179,Cloak,Male,brown,-,black,226.0,Marvel

Comics,-,good,70.0\r\n180,Clock King,Male,blue,Human,Black,178.0,DC  
Comics,-,bad,78.0\r\n181,Cogliostro,Male,-,-,-99.0,Image  
Comics,-,bad,-99.0\r\n182,Colin  
Wagner,Male,greys,-,Brown,-99.0,HarperCollins,-,good,-99.0\r\n183,Colossal  
Boy,Male,-,-,-99.0,DC  
Comics,-,good,-99.0\r\n184,Colossus,Male,silver,Mutant,Black,226.0,Marvel  
Comics,-,good,225.0\r\n185,Copycat,Female,red,Mutant,White,183.0,Marvel  
Comics,blue,neutral,67.0\r\n186,Corsair,Male,brown,-,Brown,191.0,Marvel  
Comics,-,good,79.0\r\n187,Cottonmouth,Male,brown,Human,Black,183.0,Marvel  
Comics,-,bad,99.0\r\n188,Crimson Crusader,Male,blue,-,Strawberry  
Blond,-99.0,Marvel Comics,-,good,-99.0\r\n189,Crimson Dynamo,Male,brown,-,No  
Hair,180.0,Marvel  
Comics,-,good,104.0\r\n190,Crystal,Female,green,Inhuman,Red,168.0,Marvel  
Comics,-,good,50.0\r\n191,Curse,Male,-,-,-99.0,Image  
Comics,-,bad,-99.0\r\n192,Cy-Gor,Male,-,-,-99.0,Image  
Comics,-,bad,-99.0\r\n193,Cyborg,Male,brown,Cyborg,Black,198.0,DC  
Comics,-,good,173.0\r\n194,Cyborg Superman,Male,blue,Cyborg,Black,-99.0,DC  
Comics,-,bad,-99.0\r\n195,Cyclops,Male,brown,Mutant,Brown,191.0,Marvel  
Comics,-,good,88.0\r\n196,Cypher,-,blue,-,Blond,175.0,Marvel  
Comics,-,good,68.0\r\n197,Dagger,Female,blue,-,Blond,165.0,Marvel  
Comics,-,good,52.0\r\n198,Danny  
Cooper,Male,brown,-,Blond,-99.0,HarperCollins,-,good,-99.0\r\n199,Daphne  
Powell,Female,-,-,-99.0,ABC  
Studios,-,good,-99.0\r\n200,Daredevil,Male,blue,Human,Red,183.0,Marvel  
Comics,-,good,90.0\r\n201,Darkhawk,Male,brown,Human,Brown,185.0,Marvel  
Comics,-,good,81.0\r\n202,Darkman,Male,-,-,-99.0,Universal  
Studios,-,good,-99.0\r\n203,Darkseid,Male,red,New God,No Hair,267.0,DC Comics,gr  
ey,bad,817.0\r\n204,Darkside,-,-,-,-99.0,-,bad,-  
99.0\r\n205,Darkstar,Female,brown,Mutant,Blond,168.0,Marvel  
Comics,-,good,56.0\r\n206,Darth Maul,Male,yellow / red,Dathomirian  
Zabrax,-,170.0,George Lucas,red / black,bad,-99.0\r\n207,Darth  
Vader,Male,yellow,Cyborg,No Hair,198.0,George  
Lucas,-,bad,135.0\r\n208,Dash,Male,blue,Human,Blond,122.0,Dark Horse  
Comics,-,good,27.0\r\n209,Data,Male,yellow,Android,Brown,-99.0,Star  
Trek,-,good,-99.0\r\n210,Dazzler,Female,blue,Mutant,Blond,173.0,Marvel  
Comics,-,good,52.0\r\n211,Deadman,Male,blue,Human,Black,183.0,DC  
Comics,-,good,90.0\r\n212,Deadpool,Male,brown,Mutant,No Hair,188.0,Marvel  
Comics,-,neutral,95.0\r\n213,Deadshot,Male,brown,Human,Brown,185.0,DC  
Comics,-,bad,91.0\r\n214,Deathlok,Male,brown,Cyborg,Grey,193.0,Marvel  
Comics,-,good,178.0\r\n215,Deathstroke,Male,blue,Human,White,193.0,DC  
Comics,-,neutral,101.0\r\n216,Demogoblin,Male,red,Demon,No Hair,185.0,Marvel  
Comics,-,bad,95.0\r\n217,Destroyer,Male,-,-,-188.0,Marvel  
Comics,-,bad,383.0\r\n218,Diamondback,Male,brown,Human,Black,193.0,Marvel  
Comics,-,bad,90.0\r\n219,DL Hawkins,Male,-,-,-99.0,NBC -  
Heroes,-,good,-99.0\r\n220,Doc Samson,Male,blue,Human /  
Radiation,Green,198.0,Marvel Comics,-,good,171.0\r\n221,Doctor  
Doom,Male,brown,Human,Brown,201.0,Marvel Comics,-,bad,187.0\r\n222,Doctor Doom



II, Male, brown, -, Brown, 201.0, Marvel Comics, -, bad, 132.0\r\n223, Doctor  
 Fate, Male, blue, Human, Blond, 188.0, DC Comics, -, good, 89.0\r\n224, Doctor  
 Octopus, Male, brown, Human, Brown, 175.0, Marvel Comics, -, bad, 110.0\r\n225, Doctor  
 Strange, Male, grey, Human, Black, 188.0, Marvel  
 Comics, -, good, 81.0\r\n226, Domino, Female, blue, Human, Black, 173.0, Marvel  
 Comics, white, good, 54.0\r\n227, Donatello, Male, green, Mutant, No Hair, -99.0, IDW  
 Publishing, green, good, -99.0\r\n228, Donna Troy, Female, blue, Amazon, Black, 175.0, DC  
 Comics, -, good, 63.0\r\n229, Doomsday, Male, red, Alien, White, 244.0, DC  
 Comics, -, bad, 412.0\r\n230, Doppelganger, Male, white, -, No Hair, 196.0, Marvel  
 Comics, -, bad, 104.0\r\n231, Dormammu, Male, yellow, -, No Hair, 185.0, Marvel  
 Comics, -, bad, -99.0\r\n232, Dr Manhattan, Male, white, Human / Cosmic, No  
 Hair, -99.0, DC Comics, blue, good, -99.0\r\n233, Drax the Destroyer, Male, red, Human /  
 Altered, No Hair, 193.0, Marvel  
 Comics, green, good, 306.0\r\n234, Ego, -, -, -, -, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n235, Elastigirl, Female, brown, Human, Brown, 168.0, Dark Horse  
 Comics, -, good, 56.0\r\n236, Electro, Male, blue, Human, Auburn, 180.0, Marvel  
 Comics, -, bad, 74.0\r\n237, Elektra, Female, blue, Human, Black, 175.0, Marvel  
 Comics, -, good, 59.0\r\n238, Elle Bishop, Female, blue, -, Blond, -99.0, NBC -  
 Heroes, -, bad, -99.0\r\n239, Elongated Man, Male, blue, -, Red, 185.0, DC  
 Comics, -, good, 80.0\r\n240, Emma Frost, Female, blue, -, Blond, 178.0, Marvel  
 Comics, -, good, 65.0\r\n241, Enchantress, Female, blue, Human, Blond, 168.0, DC Comics, -  
 -, good, 57.0\r\n242, Energy, Female, -, -, -, -99.0, HarperCollins, -, good, -  
 99.0\r\n243, ERG-1, Male, -, -, -, -99.0, DC Comics, -, good, -99.0\r\n244, Ethan  
 Hunt, Male, brown, Human, Brown, 168.0, -, good, -99.0\r\n245, Etrigan, Male, red, Demon, No  
 Hair, 193.0, DC Comics, yellow, neutral, 203.0\r\n246, Evil  
 Deadpool, Male, white, Mutant, Red, 188.0, Marvel  
 Comics, -, bad, 95.0\r\n247, Evilhawk, Male, red, Alien, Black, 191.0, Marvel  
 Comics, green, bad, 106.0\r\n248, Exodus, Male, blue, Mutant, Black, 183.0, Marvel  
 Comics, red, bad, 88.0\r\n249, Fabian Cortez, -, blue, -, Brown, 196.0, Marvel  
 Comics, -, bad, 96.0\r\n250, Falcon, Male, brown, Human, Black, 188.0, Marvel  
 Comics, -, good, 108.0\r\n251, Fallen One II, Male, black, -, Blue, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n252, Faora, Female, -, Kryptonian, -, -99.0, DC  
 Comics, -, bad, -99.0\r\n253, Feral, -, yellow (without irises), -, Orange /  
 White, 175.0, Marvel Comics, -, good, 50.0\r\n254, Fighting  
 Spirit, Female, -, -, Red, -99.0, DC Comics, -, good, -99.0\r\n255, Fin Fang  
 Foom, Male, red, Kakaratharian, No Hair, 975.0, Marvel  
 Comics, green, good, 18.0\r\n256, Firebird, Female, brown, -, Black, 165.0, Marvel  
 Comics, -, good, 56.0\r\n257, Firelord, -, white, -, Yellow, 193.0, Marvel  
 Comics, -, good, 99.0\r\n258, Firestar, Female, green, Mutant, Red, 173.0, Marvel  
 Comics, -, good, 56.0\r\n259, Firestorm, Male, brown, -, Black, -99.0, DC  
 Comics, -, good, -99.0\r\n260, Firestorm, Male, blue, Human, Auburn, 188.0, DC  
 Comics, -, good, 91.0\r\n261, Fixer, -, red, -, No Hair, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n262, Flash, Male, blue, Human, Brown / White, 180.0, DC  
 Comics, -, good, 81.0\r\n263, Flash  
 Gordon, Male, -, -, -, -99.0, -, good, -99.0\r\n264, Flash  
 II, Male, blue, Human, Blond, 183.0, DC Comics, -, good, 88.0\r\n265, Flash  
 III, Male, -, Human, -, 183.0, DC Comics, -, good, 86.0\r\n266, Flash

IV, Male, yellow, Human, Auburn, 157.0, DC  
 Comics, -, good, 52.0\r\n267, Forge, -, brown, -, Black, 183.0, Marvel  
 Comics, -, good, 81.0\r\n268, Franklin Richards, Male, blue, Mutant, Blond, 142.0, Marvel  
 Comics, -, good, 45.0\r\n269, Franklin Storm, -, blue, -, Grey, 188.0, Marvel  
 Comics, -, good, 92.0\r\n270, Frenzy, Female, brown, -, Black, 211.0, Marvel  
 Comics, -, bad, 104.0\r\n271, Frigga, Female, blue, -, White, 180.0, Marvel  
 Comics, -, good, 167.0\r\n272, Galactus, Male, black, Cosmic Entity, Black, 876.0, Marvel  
 Comics, -, neutral, 16.0\r\n273, Gambit, Male, red, Mutant, Brown, 185.0, Marvel  
 Comics, -, good, 81.0\r\n274, Gamora, Female, yellow, Zen-Whoberian, Black, 183.0, Marvel  
 Comics, green, good, 77.0\r\n275, Garbage Man, Male, -, Mutant, -, -99.0, DC  
 Comics, -, good, -99.0\r\n276, Gary  
 Bell, Male, -, Alpha, -, -99.0, SyFy, -, good, -99.0\r\n277, General  
 Zod, Male, black, Kryptonian, Black, -99.0, DC  
 Comics, -, bad, -99.0\r\n278, Genesis, Male, blue, -, Blond, 185.0, Marvel  
 Comics, -, good, 86.0\r\n279, Ghost Rider, Male, red, Demon, No Hair, 188.0, Marvel  
 Comics, -, good, 99.0\r\n280, Ghost Rider II, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n281, Giant-Man, Male, -, Human, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n282, Giant-Man II, Male, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n283, Giganta, Female, green, -, Red, 62.5, DC  
 Comics, -, bad, 630.0\r\n284, Gladiator, Male, blue, Strontian, Blue, 198.0, Marvel  
 Comics, purple, neutral, 268.0\r\n285, Goblin Queen, Female, green, -, Red, 168.0, Marvel  
 Comics, -, bad, 50.0\r\n286, Godzilla, -, -, Kaiju, -, 108.0, -, grey, bad, \r\n287, Gog, Male, -, -, -, -99.0, DC Comics, -, bad, -99.0\r\n288, Goku, Male, -, Saiyan, -, 175.0, Shueisha, -, good, 62.0\r\n289, Goliath, Male, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n290, Goliath, Male, -, Human, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n291, Goliath, Male, -, Human, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n292, Goliath IV, Male, brown, -, Black, 183.0, Marvel  
 Comics, -, good, 90.0\r\n293, Gorilla Grodd, Male, yellow, Gorilla, Black, 198.0, DC  
 Comics, -, bad, 270.0\r\n294, Granny Goodness, Female, blue, -, White, 178.0, DC  
 Comics, -, bad, 115.0\r\n295, Gravity, Male, blue, Human, Brown, 178.0, Marvel  
 Comics, -, good, 79.0\r\n296, Greedo, Male, purple, Rodian, -, 170.0, George Lucas, green, bad, -99.0\r\n297, Green Arrow, Male, green, Human, Blond, 188.0, DC  
 Comics, -, good, 88.0\r\n298, Green Goblin, Male, blue, Human, Auburn, 180.0, Marvel  
 Comics, -, bad, 83.0\r\n299, Green Goblin II, Male, blue, -, Auburn, 178.0, Marvel  
 Comics, -, bad, 77.0\r\n300, Green Goblin III, Male, -, -, -, 183.0, Marvel  
 Comics, -, good, 88.0\r\n301, Green Goblin IV, Male, green, -, Brown, 178.0, Marvel  
 Comics, -, good, 79.0\r\n302, Groot, Male, yellow, Flora Colossus, -, 701.0, Marvel  
 Comics, -, good, 4.0\r\n303, Guardian, Male, brown, Human, Black, -99.0, Marvel  
 Comics, -, good, -99.0\r\n304, Guy Gardner, Male, blue, Human-Vuldarian, Red, 188.0, DC  
 Comics, -, good, 95.0\r\n305, Hal Jordan, Male, brown, Human, Brown, 188.0, DC  
 Comics, -, good, 90.0\r\n306, Han Solo, Male, brown, Human, Brown, 183.0, George Lucas, -, good, 79.0\r\n307, Hancock, Male, brown, Human, Black, 188.0, Sony  
 Pictures, -, good, -99.0\r\n308, Harley Quinn, Female, blue, Human, Blond, 170.0, DC  
 Comics, -, bad, 63.0\r\n309, Harry Potter, Male, green, Human, Black, -99.0, J. K. Rowling, -, good, -99.0\r\n310, Havok, Male, blue, Mutant, Blond, 183.0, Marvel  
 Comics, -, good, 79.0\r\n311, Hawk, Male, red, -, Brown, 185.0, DC  
 Comics, -, good, 89.0\r\n312, Hawkeye, Male, blue, Human, Blond, 191.0, Marvel

Comics,-,good,104.0\r\n313,Hawkeye II,Female,blue,Human,Black,165.0,Marvel  
 Comics,-,good,57.0\r\n314,Hawkgirl,Female,green,-,Red,175.0,DC  
 Comics,-,good,61.0\r\n315,Hawkman,Male,blue,-,Brown,185.0,DC  
 Comics,-,good,88.0\r\n316,Hawkwoman,Female,green,-,Red,175.0,DC  
 Comics,-,good,54.0\r\n317,Hawkwoman II,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n318,Hawkwoman III,Female,blue,-,Red,170.0,DC  
 Comics,-,good,65.0\r\n319,Heat Wave,Male,blue,Human,No Hair,180.0,DC  
 Comics,-,bad,81.0\r\n320,Hela,Female,green,Asgardian,Black,213.0,Marvel  
 Comics,-,bad,225.0\r\n321,Hellboy,Male,gold,Demon,Black,259.0,Dark Horse  
 Comics,-,good,158.0\r\n322,Hellcat,Female,blue,Human,Red,173.0,Marvel  
 Comics,-,good,61.0\r\n323,Hellstorm,Male,red,-,Red,185.0,Marvel  
 Comics,-,good,81.0\r\n324,Hercules,Male,blue,Demi-God,Brown,196.0,Marvel  
 Comics,-,good,146.0\r\n325,Hiro Nakamura,Male,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n326,Hit-Girl,Female,-,Human,-,-99.0,Icon  
 Comics,-,good,-99.0\r\n327,Hobgoblin,Male,blue,-,Grey,180.0,Marvel  
 Comics,-,bad,83.0\r\n328,Hollow,Female,blue,-,Red,170.0,Marvel  
 Comics,-,good,-99.0\r\n329,Hope Summers,Female,green,-,Red,168.0,Marvel  
 Comics,-,good,48.0\r\n330,Howard the Duck,Male,brown,-,Yellow,79.0,Marvel  
 Comics,-,good,18.0\r\n331,Hulk,Male,green,Human / Radiation,Green,244.0,Marvel  
 Comics,green,good,630.0\r\n332,Human Torch,Male,blue,Human /  
 Radiation,Blond,178.0,Marvel  
 Comics,-,good,77.0\r\n333,Huntress,Female,blue,-,Black,180.0,DC  
 Comics,-,good,59.0\r\n334,Husk,Female,blue,Mutant,Blond,170.0,Marvel  
 Comics,-,good,58.0\r\n335,Hybrid,Male,brown,Symbiote,Black,175.0,Marvel  
 Comics,-,good,77.0\r\n336,Hydro-Man,Male,brown,-,Brown,188.0,Marvel  
 Comics,-,bad,119.0\r\n337,Hyperion,Male,blue,Eternal,Red,183.0,Marvel  
 Comics,-,good,207.0\r\n338,Iceman,Male,brown,Mutant,Brown,173.0,Marvel  
 Comics,-,good,65.0\r\n339,Impulse,Male,yellow,Human,Auburn,170.0,DC  
 Comics,-,good,65.0\r\n340,Indiana Jones,Male,-,Human,-,183.0,George  
 Lucas,-,good,79.0\r\n341,Indigo,Female,-,Alien,Purple,-99.0,DC  
 Comics,-,neutral,-99.0\r\n342,Ink,Male,blue,Mutant,No Hair,180.0,Marvel  
 Comics,-,good,81.0\r\n343,Invisible Woman,Female,blue,Human /  
 Radiation,Blond,168.0,Marvel Comics,-,good,54.0\r\n344,Iron  
 Fist,Male,blue,Human,Blond,180.0,Marvel Comics,-,good,79.0\r\n345,Iron  
 Man,Male,blue,Human,Black,198.0,Marvel Comics,-,good,191.0\r\n346,Iron  
 Monger,Male,blue,-,No Hair,-99.0,Marvel  
 Comics,-,bad,2.0\r\n347,Isis,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n348,Jack Bauer,Male,-,-,-99.0,-,good,-99.0\r\n349,Jack  
 of Hearts,Male,blue / white,Human,Brown,155.0,Marvel  
 Comics,-,good,79.0\r\n350,Jack-Jack,Male,blue,Human,Brown,71.0,Dark Horse  
 Comics,-,good,14.0\r\n351,James Bond,Male,blue,Human,Blond,183.0,Titan  
 Books,-,good,-99.0\r\n352,James T. Kirk,Male,hazel,Human,Brown,178.0,Star  
 Trek,-,good,77.0\r\n353,Jar Jar Binks,Male,yellow,Gungan,-,193.0,George  
 Lucas,orange / white,good,-99.0\r\n354,Jason  
 Bourne,Male,-,Human,-,-99.0,-,good,-99.0\r\n355,Jean  
 Grey,Female,green,Mutant,Red,168.0,Marvel Comics,-,good,52.0\r\n356,Jean-Luc  
 Picard,Male,-,Human,-,-99.0,Star Trek,-,good,-99.0\r\n357,Jennifer

Kale,Female,blue,-,Blond,168.0,Marvel Comics,-,good,55.0\r\n358,Jesse  
 Quick,Female,-,Human,-,-99.0,DC Comics,-,good,-99.0\r\n359,Jessica  
 Cruz,Female,green,Human,Brown,-99.0,DC Comics,-,good,-99.0\r\n360,Jessica  
 Jones,Female,brown,Human,Brown,170.0,Marvel Comics,-,good,56.0\r\n361,Jessica  
 Sanders,Female,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n362,Jigsaw,Male,blue,-,Black,188.0,Marvel  
 Comics,-,bad,113.0\r\n363,Jim Powell,Male,-,-,-99.0,ABC  
 Studios,-,good,-99.0\r\n364,JJ Powell,Male,-,-,-99.0,ABC  
 Studios,-,good,-99.0\r\n365,Johann Krauss,Male,-,-,-99.0,Dark Horse  
 Comics,-,good,-99.0\r\n366,John Constantine,Male,blue,Human,Blond,183.0,DC  
 Comics,-,good,-99.0\r\n367,John Stewart,Male,green,Human,Black,185.0,DC  
 Comics,-,good,90.0\r\n368,John Wraith,Male,brown,-,Black,183.0,Marvel  
 Comics,-,good,88.0\r\n369,Joker,Male,green,Human,Green,196.0,DC  
 Comics,white,bad,86.0\r\n370,Jolt,Female,blue,-,Black,165.0,Marvel  
 Comics,-,good,49.0\r\n371,Jubilee,Female,red,Mutant,Black,165.0,Marvel  
 Comics,-,good,52.0\r\n372,Judge Dredd,Male,-,Human,-,188.0,Rebellion,-,good,-  
 99.0\r\n373,Juggernaut,Male,blue,Human,Red,287.0,Marvel  
 Comics,-,neutral,855.0\r\n374,Junkpile,Male,-,Mutant,-,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n375,Justice,Male,hazel,Human,Brown,178.0,Marvel  
 Comics,-,good,81.0\r\n376,Jyn Erso,Female,green,Human,Brown,-99.0,George  
 Lucas,-,good,-99.0\r\n377,K-2SO,Male,white,Android,No Hair,213.0,George  
 Lucas,gray,good,-99.0\r\n378,Kang,Male,brown,-,Brown,191.0,Marvel  
 Comics,-,bad,104.0\r\n379,Karate Kid,Male,brown,Human,Brown,173.0,DC  
 Comics,-,good,72.0\r\n380,Kathryn Janeway,Female,-,Human,-,-99.0,Star  
 Trek,-,good,-99.0\r\n381,Katniss  
 Everdeen,Female,-,Human,-,-99.0,-,good,-99.0\r\n382,Kevin  
 11,Male,-,Human,Black,-99.0,DC Comics,-,good,-99.0\r\n383,Kick-  
 Ass,Male,blue,Human,Blond,-99.0,Icon Comics,-,good,-99.0\r\n384,Kid  
 Flash,Male,green,Human,Red,-99.0,DC Comics,-,good,-99.0\r\n385,Kid Flash  
 II,Male,-,-,-99.0,DC Comics,-,good,-99.0\r\n386,Killer  
 Croc,Male,red,Metahuman,No Hair,244.0,DC Comics,green,bad,356.0\r\n387,Killer  
 Frost,Female,blue,Human,Blond,-99.0,DC  
 Comics,blue,bad,-99.0\r\n388,Kilowog,Male,red,Bolovaxian,No Hair,234.0,DC  
 Comics,pink,good,324.0\r\n389,King  
 Kong,Male,yellow,Animal,Black,30.5,-,good,\r\n390,King  
 Shark,Male,black,Animal,No Hair,-99.0,DC  
 Comics,-,bad,-99.0\r\n391,Kingpin,Male,blue,Human,No Hair,201.0,Marvel  
 Comics,-,bad,203.0\r\n392,Klaw,Male,red,Human,No Hair,188.0,Marvel  
 Comics,red,bad,97.0\r\n393,Kool-Aid Man,Male,black,-,No  
 Hair,-99.0,-,red,good,-99.0\r\n394,Kraven II,Male,brown,Human,Black,191.0,Marvel  
 Comics,-,bad,99.0\r\n395,Kraven the Hunter,Male,brown,Human,Black,183.0,Marvel  
 Comics,-,bad,106.0\r\n396,Krypto,Male,blue,Kryptonian,White,64.0,DC  
 Comics,-,good,18.0\r\n397,Kyle Rayner,Male,green,Human,Black,180.0,DC  
 Comics,-,good,79.0\r\n398,Kylo Ren,Male,-,Human,-,-99.0,George  
 Lucas,-,bad,-99.0\r\n399,Lady Bullseye,Female,-,-,Black,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n400,Lady  
 Deathstrike,Female,brown,Cyborg,Black,175.0,Marvel

Comics,-,bad,58.0\r\n401,Leader,Male,green,-,No Hair,178.0,Marvel  
 Comics,-,bad,63.0\r\n402,Leech,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n403,Legion,Male,green / blue,Mutant,Black,175.0,Marvel  
 Comics,-,good,59.0\r\n404,Leonardo,Male,blue,Mutant,No Hair,-99.0,IDW  
 Publishing,green,good,-99.0\r\n405,Lex Luthor,Male,green,Human,No Hair,188.0,DC  
 Comics,-,bad,95.0\r\n406,Light Lass,Female,blue,-,Red,165.0,DC  
 Comics,-,good,54.0\r\n407,Lightning Lad,Male,blue,-,Red,155.0,DC  
 Comics,-,good,65.0\r\n408,Lightning Lord,Male,blue,-,Red,191.0,DC  
 Comics,-,bad,95.0\r\n409,Living Brain,-,yellow,-,-,198.0,Marvel  
 Comics,-,bad,360.0\r\n410,Living Tribunal,-,blue,Cosmic Entity,No  
 Hair,-99.0,Marvel Comics,gold,neutral,-99.0\r\n411,Liz  
 Sherman,Female,-,-,-99.0,Dark Horse  
 Comics,-,good,-99.0\r\n412,Lizard,Male,red,Human,No Hair,203.0,Marvel  
 Comics,-,bad,230.0\r\n413,Lobo,Male,red,Czarnian,Black,229.0,DC Comics,blue-  
 white,neutral,288.0\r\n414,Loki,Male,green,Asgardian,Black,193.0,Marvel  
 Comics,-,bad,236.0\r\n415,Longshot,Male,blue,Human,Blond,188.0,Marvel  
 Comics,-,good,36.0\r\n416,Luke Cage,Male,brown,Human,Black,198.0,Marvel  
 Comics,-,good,191.0\r\n417,Luke Campbell,Male,-,-,-99.0,NBC -  
 Heroes,-,bad,-99.0\r\n418,Luke Skywalker,Male,blue,Human,Blond,168.0,George  
 Lucas,-,good,77.0\r\n419,Luna,Female,-,Human,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n420,Lyja,Female,green,-,Green,-99.0,Marvel  
 Comics,-,good,-99.0\r\n421,Mach-IV,Male,brown,-,Brown,180.0,Marvel  
 Comics,-,bad,79.0\r\n422,Machine Man,-,red,-,Black,183.0,Marvel  
 Comics,-,good,383.0\r\n423,Magneto,Male,grey,Mutant,White,188.0,Marvel  
 Comics,-,bad,86.0\r\n424,Magog,Male,blue,-,Blond,-99.0,DC  
 Comics,-,good,-99.0\r\n425,Magus,Male,black,-,-,183.0,Marvel  
 Comics,-,bad,-99.0\r\n426,Man of Miracles,-,blue,God /  
 Eternal,Silver,-99.0,Image Comics,-,-,-99.0\r\n427,Man-  
 Bat,Male,brown,Human,Brown,-99.0,DC Comics,-,neutral,-99.0\r\n428,Man-  
 Thing,Male,red,-,No Hair,213.0,Marvel Comics,green,good,225.0\r\n429,Man-  
 Wolf,Male,brown,-,Auburn,188.0,Marvel  
 Comics,-,good,90.0\r\n430,Mandarin,Male,blue,Human,White,188.0,Marvel  
 Comics,-,bad,97.0\r\n431,Mantis,Female,green,Human-Kree,Black,168.0,Marvel  
 Comics,green,good,52.0\r\n432,Martian Manhunter,Male,red,Martian,No  
 Hair,201.0,DC Comics,green,good,135.0\r\n433,Marvel  
 Girl,Female,green,-,Red,170.0,Marvel Comics,-,good,56.0\r\n434,Master  
 Brood,Male,blue,-,Black,183.0,Team Epic TV,-,good,81.0\r\n435,Master  
 Chief,Male,brown,Human / Altered,Brown,213.0,Microsoft,-,good,-  
 99.0\r\n436,Match,Male,black,-,Black,-99.0,DC Comics,-,bad,-99.0\r\n437,Matt  
 Parkman,Male,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n438,Maverick,Male,blue,-,Black,193.0,Marvel  
 Comics,-,good,110.0\r\n439,Maxima,Female,brown,-,Red,180.0,DC  
 Comics,-,bad,72.0\r\n440,Maya Herrera,Female,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n441,Medusa,Female,green,Inhuman,Red,180.0,Marvel  
 Comics,-,good,59.0\r\n442,Meltdown,Female,blue,-,Blond,165.0,Marvel  
 Comics,-,good,54.0\r\n443,Mephisto,Male,white,-,Black,198.0,Marvel  
 Comics,-,bad,140.0\r\n444,Mera,Female,blue,Atlantean,Red,175.0,DC

Comics,-,good,72.0\r\n445,Metallo,Male,green,Android,Brown,196.0,DC  
 Comics,-,bad,90.0\r\n446,Metamorpho,Male,black,-,No Hair,185.0,DC  
 Comics,-,good,90.0\r\n447,Meteorite,Female,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n448,Metron,Male,blue,-,Black,185.0,DC  
 Comics,-,good,86.0\r\n449,Micah Sanders,Male,brown,-,Black,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n450,Michelangelo,Male,blue,Mutant,-,-99.0,IDW  
 Publishing,green,good,-99.0\r\n451,Micro Lad,Male,grey,-,Brown,183.0,DC  
 Comics,-,good,77.0\r\n452,Mimic,Male,brown,-,Brown,188.0,Marvel  
 Comics,-,good,101.0\r\n453,Minna Murray,Female,-,-,-99.0,Wildstorm,-,good,-  
 99.0\r\n454,Misfit,Female,blue,-,Red,-99.0,DC Comics,-,good,-99.0\r\n455,Miss  
 Martian,Female,red,-,Red,178.0,DC Comics,-,good,61.0\r\n456,Mister  
 Fantastic,Male,brown,Human / Radiation,Brown,185.0,Marvel  
 Comics,-,good,81.0\r\n457,Mister Freeze,Male,-,Human,-,183.0,DC  
 Comics,-,bad,86.0\r\n458,Mister Knife,Male,blue,Spartoi,Brown,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n459,Mister Mxyzptlk,Male,-,God / Eternal,-,-99.0,DC  
 Comics,-,bad,-99.0\r\n460,Mister Sinister,Male,red,Human /  
 Altered,Black,196.0,Marvel Comics,-,bad,128.0\r\n461,Mister  
 Zsasz,Male,blue,Human,Blond,-99.0,DC  
 Comics,-,bad,-99.0\r\n462,Mockingbird,Female,blue,Human,Blond,175.0,Marvel  
 Comics,-,good,61.0\r\n463,MODOK,Male,white,Cyborg,Brown,366.0,Marvel  
 Comics,-,bad,338.0\r\n464,Mogo,Male,-,Planet,-,-99.0,DC  
 Comics,-,good,-99.0\r\n465,Mohinder Suresh,Male,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n466,Moloch,Male,-,-,-99.0,DC  
 Comics,-,bad,-99.0\r\n467,Molten Man,Male,gold,-,Gold,196.0,Marvel  
 Comics,-,bad,248.0\r\n468,Monarch,Male,blue,-,White,193.0,DC  
 Comics,-,good,90.0\r\n469,Monica Dawson,Female,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n470,Moon Knight,Male,brown,Human,Brown,188.0,Marvel  
 Comics,-,good,101.0\r\n471,Moonstone,Female,blue,-,Blond,180.0,Marvel  
 Comics,-,bad,59.0\r\n472,Morlun,Male,white / red,-,Black,188.0,Marvel  
 Comics,-,bad,79.0\r\n473,Morph,Male,white,-,No Hair,178.0,Marvel  
 Comics,-,good,79.0\r\n474,Moses Magnum,Male,brown,-,Black,175.0,Marvel  
 Comics,-,bad,72.0\r\n475,Mr Immortal,Male,blue,Mutant,Blond,188.0,Marvel  
 Comics,-,good,70.0\r\n476,Mr Incredible,Male,blue,Human,Blond,201.0,Dark Horse  
 Comics,-,good,158.0\r\n477,Ms Marvel II,Female,blue,-,Red,173.0,Marvel  
 Comics,-,good,61.0\r\n478,Multiple Man,Male,blue,-,Brown,180.0,Marvel  
 Comics,-,good,70.0\r\n479,Mysterio,Male,brown,Human,No Hair,180.0,Marvel  
 Comics,-,bad,79.0\r\n480,Mystique,Female,yellow (without irises),Mutant,Red /  
 Orange,178.0,Marvel Comics,blue,bad,54.0\r\n481,Namor,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n482,Namor,Male,grey,Atlantean,Black,188.0,Marvel  
 Comics,-,good,125.0\r\n483,Namora,Female,blue,-,Blond,180.0,Marvel  
 Comics,-,good,85.0\r\n484,Namorita,Female,blue,-,Blond,168.0,Marvel  
 Comics,-,good,101.0\r\n485,Naruto  
 Uzumaki,Male,-,Human,-,168.0,Shueisha,-,good,54.0\r\n486,Nathan  
 Petrelli,Male,brown,-,-,-99.0,NBC -  
 Heroes,-,good,-99.0\r\n487,Nebula,Female,blue,Luphoid,185.0,Marvel  
 Comics,blue,bad,83.0\r\n488,Negasonic Teenage  
 Warhead,Female,black,Mutant,Black,-99.0,Marvel Comics,-,good,-99.0\r\n489,Nick

Fury, Male, brown, Human, Brown / White, 185.0, Marvel  
 Comics, -, good, 99.0\r\n490, Nightcrawler, Male, yellow, -, Indigo, 175.0, Marvel  
 Comics, -, good, 88.0\r\n491, Nightwing, Male, blue, Human, Black, 178.0, DC  
 Comics, -, good, 79.0\r\n492, Niki Sanders, Female, blue, -, Blond, -99.0, NBC -  
 Heroes, -, good, -99.0\r\n493, Nina  
 Theroux, Female, -, Alpha, -, -99.0, SyFy, -, good, -99.0\r\n494, Nite Owl  
 II, Male, -, -, -, -99.0, DC  
 Comics, -, good, -99.0\r\n495, Northstar, Male, blue, -, Black, 180.0, Marvel  
 Comics, -, good, 83.0\r\n496, Nova, Male, brown, Human, Brown, 185.0, Marvel  
 Comics, -, good, 86.0\r\n497, Nova, Female, white, Human / Cosmic, Red, 163.0, Marvel  
 Comics, gold, good, 59.0\r\n498, Odin, Male, blue, God / Eternal, White, 206.0, Marvel  
 Comics, -, good, 293.0\r\n499, Offspring, Male, -, -, -, -99.0, DC  
 Comics, -, good, -99.0\r\n500, Omega Red, Male, red, -, Blond, 211.0, Marvel  
 Comics, -, bad, 191.0\r\n501, Omniscient, Male, brown, -, Black, 180.0, Team Epic  
 TV, -, good, 65.0\r\n502, One Punch Man, Male, -, Human, No  
 Hair, 175.0, Shueisha, -, good, 69.0\r\n503, One-Above-All, -, -, Cosmic  
 Entity, -, -99.0, Marvel Comics, -, neutral, -99.0\r\n504, Onslaught, Male, red, Mutant, No  
 Hair, 305.0, Marvel  
 Comics, -, bad, 405.0\r\n505, Oracle, Female, blue, Human, Red, 178.0, DC  
 Comics, -, good, 59.0\r\n506, Osiris, Male, brown, -, Brown, -99.0, DC  
 Comics, -, good, -99.0\r\n507, Overtkill, Male, -, -, -, -99.0, Image  
 Comics, -, bad, -99.0\r\n508, Ozymandias, Male, blue, Human, Blond, -99.0, DC  
 Comics, -, bad, -99.0\r\n509, Parademon, -, -, Parademon, -, -99.0, DC  
 Comics, -, bad, -99.0\r\n510, Paul Blart, Male, -, Human, -, 170.0, Sony  
 Pictures, -, good, 117.0\r\n511, Penance, -, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n512, Penance I, Female, -, -, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n513, Penance II, Male, blue, -, Blond, 183.0, Marvel  
 Comics, -, good, 89.0\r\n514, Penguin, Male, blue, Human, Black, 157.0, DC  
 Comics, -, bad, 79.0\r\n515, Peter Petrelli, Male, -, -, -, -99.0, NBC -  
 Heroes, -, good, -99.0\r\n516, Phantom, Male, -, -, -, -99.0, DC  
 Comics, -, good, -99.0\r\n517, Phantom Girl, Female, blue, -, Black, 168.0, DC  
 Comics, -, good, 54.0\r\n518, Phoenix, Female, green, Mutant, Red, 168.0, Marvel  
 Comics, -, good, 52.0\r\n519, Plantman, Male, green, Mutant, Grey, 183.0, Marvel  
 Comics, -, bad, 87.0\r\n520, Plastic Lad, Male, -, -, -, -99.0, DC  
 Comics, -, good, -99.0\r\n521, Plastic Man, Male, blue, Human, Black, 185.0, DC  
 Comics, -, good, 80.0\r\n522, Plastique, Female, blue, -, Red, 168.0, DC  
 Comics, -, bad, 55.0\r\n523, Poison Ivy, Female, green, Human, Red, 168.0, DC  
 Comics, green, bad, 50.0\r\n524, Polaris, Female, green, Mutant, Green, 170.0, Marvel  
 Comics, -, good, 52.0\r\n525, Power Girl, Female, blue, Kryptonian, blond, 180.0, DC  
 Comics, -, good, 81.0\r\n526, Power Man, Male, -, Mutant, -, -99.0, Marvel  
 Comics, -, good, -99.0\r\n527, Predator, Male, -, Yautja, -, 213.0, Dark Horse  
 Comics, -, bad, 234.0\r\n528, Professor X, Male, blue, Mutant, No Hair, 183.0, Marvel  
 Comics, -, good, 86.0\r\n529, Professor Zoom, Male, blue, Human, Strawberry  
 Blond, 180.0, DC Comics, -, bad, 81.0\r\n530, Proto-  
 Goblin, Male, green, -, Blond, -99.0, Marvel  
 Comics, -, bad, -99.0\r\n531, Psylocke, Female, blue, Mutant, Purple, 180.0, Marvel  
 Comics, -, good, 70.0\r\n532, Punisher, Male, blue, Human, Black, 183.0, Marvel

Comics,-,good,90.0\r\n533,Purple Man,Male,purple,Human,Purple,180.0,Marvel  
 Comics,purple,bad,74.0\r\n534,Pyro,Male,blue,-,Blond,178.0,Marvel  
 Comics,-,bad,68.0\r\n535,Q,Male,-,God / Eternal,-,-99.0,Star Trek,-,-,-  
 99.0\r\n536,Quantum,Male,-,-,-99.0,HarperCollins,-,good,-  
 99.0\r\n537,Question,Male,blue,Human,Blond,188.0,DC  
 Comics,-,good,83.0\r\n538,Quicksilver,Male,blue,Mutant,Silver,183.0,Marvel  
 Comics,-,good,79.0\r\n539,Quill,Male,brown,-,Brown,163.0,Marvel  
 Comics,-,good,56.0\r\n540,Ra's Al Ghul,Male,green,Human,Grey,193.0,DC  
 Comics,-,bad,97.0\r\n541,Rachel Pirzad,Female,-,Alpha,-,-99.0,SyFy,-,good,-  
 99.0\r\n542,Rambo,Male,brown,Human,Black,178.0,-,  
 ,good,83.0\r\n543,Raphael,Male,-,Mutant,No Hair,-99.0,IDW  
 Publishing,green,good,-99.0\r\n544,Raven,Female,indigo,Human,Black,165.0,DC  
 Comics,-,neutral,50.0\r\n545,Ray,Male,green,Human,Red,178.0,DC  
 Comics,-,good,70.0\r\n546,Razor-Fist II,Male,blue,-,No Hair,191.0,Marvel  
 Comics,-,bad,117.0\r\n547,Red Arrow,Male,green,Human,Red,180.0,DC  
 Comics,-,good,83.0\r\n548,Red Hood,Male,blue,Human,Black,183.0,DC  
 Comics,-,neutral,81.0\r\n549,Red Hulk,Male,yellow,Human /  
 Radiation,Black,213.0,Marvel Comics,red,neutral,630.0\r\n550,Red  
 Mist,Male,-,-,-99.0,Icon Comics,-,bad,-99.0\r\n551,Red  
 Robin,Male,blue,Human,Black,165.0,DC Comics,-,good,56.0\r\n552,Red  
 Skull,Male,blue,-,No Hair,188.0,Marvel Comics,-,bad,108.0\r\n553,Red  
 Tornado,Male,green,Android,No Hair,185.0,DC Comics,-,good,146.0\r\n554,Redeemer  
 II,Male,-,-,-99.0,Image Comics,-,bad,-99.0\r\n555,Redeemer  
 III,Male,-,-,-99.0,Image Comics,-,bad,-99.0\r\n556,Renata Soliz,Female,-,-,-  
 99.0,HarperCollins,-,good,-99.0\r\n557,Rey,Female,hazel,Human,Brown,297.0,George  
 Lucas,-,good,-99.0\r\n558,Rhino,Male,brown,Human / Radiation,Brown,196.0,Marvel  
 Comics,-,bad,320.0\r\n559,Rick Flag,Male,blue,-,Brown,185.0,DC  
 Comics,-,bad,85.0\r\n560,Riddler,Male,-,-,-99.0,DC  
 Comics,-,bad,-99.0\r\n561,Rip Hunter,Male,blue,Human,Blond,-99.0,DC  
 Comics,-,good,-99.0\r\n562,Ripcord,Female,green,-,Black,180.0,Marvel  
 Comics,-,good,72.0\r\n563,Robin,Male,blue,Human,Black,178.0,DC  
 Comics,-,good,79.0\r\n564,Robin II,Male,blue,Human,Red,183.0,DC  
 Comics,-,good,101.0\r\n565,Robin III,Male,blue,Human,Black,165.0,DC  
 Comics,-,good,56.0\r\n566,Robin V,Male,blue,Human,Black,137.0,DC  
 Comics,-,good,38.0\r\n567,Robin VI,Female,green,Human,Red,-99.0,DC  
 Comics,-,neutral,-99.0\r\n568,Rocket  
 Raccoon,Male,brown,Animal,Brown,122.0,Marvel  
 Comics,-,good,25.0\r\n569,Rogue,Female,green,-,Brown / White,173.0,Marvel  
 Comics,-,good,54.0\r\n570,Ronin,Male,blue,Human,Blond,191.0,Marvel  
 Comics,-,good,104.0\r\n571,Rorschach,Male,blue,Human,Red,168.0,DC  
 Comics,-,good,63.0\r\n572,Sabretooth,Male,amber,Mutant,Blond,198.0,Marvel  
 Comics,-,bad,171.0\r\n573,Sage,Female,blue,-,Black,170.0,Marvel  
 Comics,-,good,61.0\r\n574,Sandman,Male,brown,Human,Brown,185.0,Marvel  
 Comics,-,neutral,203.0\r\n575,Sasquatch,Male,red,-,Orange,305.0,Marvel  
 Comics,-,good,900.0\r\n576,Sauron,Male,-,Maiar,-,279.0,J. R. R.  
 Tolkien,-,bad,-99.0\r\n577,Savage Dragon,Male,-,-,-99.0,Image  
 Comics,-,good,-99.0\r\n578,Scarecrow,Male,blue,Human,Brown,183.0,DC



Comics,-,bad,63.0\r\n579,Scarlet Spider,Male,blue,Human,Blond,178.0,Marvel  
 Comics,-,good,74.0\r\n580,Scarlet Spider II,Male,brown,Clone,Brown,193.0,Marvel  
 Comics,-,good,113.0\r\n581,Scarlet Witch,Female,blue,Mutant,Brown,170.0,Marvel  
 Comics,-,bad,59.0\r\n582,Scorpia,Female,green,-,Red,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n583,Scorpion,Male,brown,Human,Brown,211.0,Marvel  
 Comics,-,bad,310.0\r\n584,Sebastian Shaw,Male,-,Mutant,-,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n585,Sentry,Male,blue,Mutant,Blond,188.0,Marvel  
 Comics,-,neutral,87.0\r\n586,Shadow King,-,red,-,-,185.0,Marvel  
 Comics,-,good,149.0\r\n587,Shadow Lass,Female,black,Talokite,Black,173.0,DC  
 Comics,blue,good,54.0\r\n588,Shadowcat,Female,hazel,Mutant,Brown,168.0,Marvel  
 Comics,-,good,50.0\r\n589,Shang-Chi,Male,brown,Human,Black,178.0,Marvel  
 Comics,-,good,79.0\r\n590,Shatterstar,Male,brown,-,Red,191.0,Marvel  
 Comics,-,good,88.0\r\n591,She-Hulk,Female,green,Human,Green,201.0,Marvel  
 Comics,-,good,315.0\r\n592,She-Thing,Female,blue,Human / Radiation,No  
 Hair,183.0,Marvel  
 Comics,-,good,153.0\r\n593,Shocker,Male,brown,Human,Brown,175.0,Marvel  
 Comics,-,bad,79.0\r\n594,Shriek,Female,yellow / blue,-,Black,173.0,Marvel  
 Comics,-,good,52.0\r\n595,Shrinking Violet,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n596,Sif,Female,blue,Asgardian,Black,188.0,Marvel  
 Comics,-,good,191.0\r\n597,Silk,Female,brown,Human,Black,-99.0,Marvel  
 Comics,-,good,-99.0\r\n598,Silk Spectre,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n599,Silk Spectre II,Female,-,-,-99.0,DC  
 Comics,-,good,-99.0\r\n600,Silver Surfer,Male,white,Alien,No Hair,193.0,Marvel  
 Comics,silver,good,101.0\r\n601,Silverclaw,Female,brown,-,Black,157.0,Marvel  
 Comics,-,good,50.0\r\n602,Simon Baz,Male,bown,Human,Black,-99.0,DC  
 Comics,-,good,-99.0\r\n603,Sinestro,Male,black,Korugaran,Black,201.0,DC  
 Comics,red,neutral,92.0\r\n604,Siren,Female,blue,Atlantean,Purple,175.0,DC  
 Comics,-,bad,72.0\r\n605,Siren II,Female,black,-,-,-99.0,DC  
 Comics,-,bad,-99.0\r\n606,Siryn,Female,blue,-,Strawberry Blond,168.0,Marvel  
 Comics,-,bad,52.0\r\n607,Skaar,Male,green,-,Black,198.0,Marvel  
 Comics,-,good,180.0\r\n608,Snake-Eyes,Male,-,Animal,-,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n609,Snowbird,Female,white,-,Blond,178.0,Marvel  
 Comics,-,good,49.0\r\n610,Sobek,Male,white,-,No Hair,-99.0,DC  
 Comics,-,good,-99.0\r\n611,Solomon Grundy,Male,black,Zombie,White,279.0,DC  
 Comics,-,bad,437.0\r\n612,Songbird,Female,green,-,Red / White,165.0,Marvel  
 Comics,-,good,65.0\r\n613,Space Ghost,Male,-,Human,-,188.0,DC  
 Comics,-,good,113.0\r\n614,Spawn,Male,brown,Demon,Black,211.0,Image  
 Comics,-,good,405.0\r\n615,Spectre,Male,white,God / Eternal,No Hair,-99.0,DC  
 Comics,white,good,-99.0\r\n616,Speedball,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n617,Speedy,Male,-,Human,-,-99.0,DC  
 Comics,-,good,-99.0\r\n618,Speedy,Female,green,Human,Brown,-99.0,DC  
 Comics,-,good,-99.0\r\n619,Spider-Carnage,Male,-,Symbiote,-,-99.0,Marvel  
 Comics,-,bad,-99.0\r\n620,Spider-Girl,Female,blue,Human,Brown,170.0,Marvel  
 Comics,-,good,54.0\r\n621,Spider-Gwen,Female,blue,Human,Blond,165.0,Marvel  
 Comics,-,good,56.0\r\n622,Spider-Man,Male,hazel,Human,Brown,178.0,Marvel  
 Comics,-,good,74.0\r\n623,Spider-Man,-,red,Human,Brown,178.0,Marvel  
 Comics,-,good,77.0\r\n624,Spider-Man,Male,brown,Human,Black,157.0,Marvel

Comics,-,good,56.0\r\n625,Spider-Woman,Female,green,Human,Black,178.0,Marvel  
 Comics,-,good,59.0\r\n626,Spider-Woman II,Female,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n627,Spider-Woman III,Female,brown,-,Brown,173.0,Marvel  
 Comics,-,good,55.0\r\n628,Spider-Woman IV,Female,red,-,White,178.0,Marvel  
 Comics,-,bad,58.0\r\n629,Spock,Male,brown,Human-Vulcan,Black,185.0,Star  
 Trek,-,good,81.0\r\n630,Spyke,Male,brown,Mutant,Blond,183.0,Marvel  
 Comics,-,good,83.0\r\n631,Stacy X,Female,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n632,Star-Lord,Male,blue,Human-Spartoi,Blond,188.0,Marvel  
 Comics,-,good,79.0\r\n633,Stardust,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n634,Starfire,Female,green,Tamaranean,Auburn,193.0,DC  
 Comics,orange,good,71.0\r\n635,Stargirl,Female,blue,Human,Blond,165.0,DC  
 Comics,-,good,62.0\r\n636,Static,Male,brown,Mutant,Black,170.0,DC  
 Comics,-,good,63.0\r\n637,Steel,Male,brown,-,No Hair,201.0,DC  
 Comics,-,good,131.0\r\n638,Stephanie Powell,Female,-,-,Blond,-99.0,ABC  
 Studios,-,good,-99.0\r\n639,Steppenwolf,Male,red,New God,Black,183.0,DC  
 Comics,white,bad,91.0\r\n640,Storm,Female,blue,Mutant,White,180.0,Marvel  
 Comics,-,good,57.0\r\n641,Stormtrooper,Male,-,Human,-,183.0,George  
 Lucas,-,bad,-99.0\r\n642,Sunspot,Male,brown,Mutant,black,173.0,Marvel  
 Comics,-,good,77.0\r\n643,Superboy,Male,blue,-,Black,170.0,DC  
 Comics,-,good,68.0\r\n644,Superboy-Prime,Male,blue,Kryptonian,Black /  
 Blue,180.0,DC  
 Comics,-,bad,77.0\r\n645,Supergirl,Female,blue,Kryptonian,Blond,165.0,DC  
 Comics,-,good,54.0\r\n646,Superman,Male,blue,Kryptonian,Black,191.0,DC  
 Comics,-,good,101.0\r\n647,Swamp Thing,Male,red,God / Eternal,No Hair,-99.0,DC  
 Comics,green,bad,-99.0\r\n648,Swarm,Male,yellow,Mutant,No Hair,196.0,Marvel  
 Comics,yellow,bad,47.0\r\n649,Sylar,Male,-,-,-99.0,NBC -  
 Heroes,-,bad,-99.0\r\n650,Synch,Male,brown,-,Black,180.0,Marvel  
 Comics,-,good,74.0\r\n651,T-1000,Male,-,Android,-,183.0,Dark Horse  
 Comics,silver,bad,146.0\r\n652,T-800,Male,red,Cyborg,-,-99.0,Dark Horse  
 Comics,-,bad,176.0\r\n653,T-850,Male,red,Cyborg,-,-99.0,Dark Horse  
 Comics,-,bad,198.0\r\n654,T-X,Female,-,Cyborg,-,-99.0,Dark Horse  
 Comics,silver,bad,149.0\r\n655,Taskmaster,Male,brown,Human,Brown,188.0,Marvel  
 Comics,-,bad,99.0\r\n656,Tempest,Female,brown,-,Black,163.0,Marvel  
 Comics,-,good,54.0\r\n657,Thanos,Male,red,Eternal,No Hair,201.0,Marvel  
 Comics,purple,bad,443.0\r\n658,The  
 Cape,Male,-,-,-99.0,-,good,-99.0\r\n659,The  
 Comedian,Male,brown,Human,Black,188.0,DC  
 Comics,-,neutral,101.0\r\n660,Thing,Male,blue,Human / Radiation,No  
 Hair,183.0,Marvel  
 Comics,-,good,225.0\r\n661,Thor,Male,blue,Asgardian,Blond,198.0,Marvel  
 Comics,-,good,288.0\r\n662,Thor Girl,Female,blue,Asgardian,Blond,175.0,Marvel  
 Comics,-,good,143.0\r\n663,Thunderbird,Male,brown,-,Black,185.0,Marvel  
 Comics,-,good,101.0\r\n664,Thunderbird II,Male,-,-,-99.0,Marvel  
 Comics,-,good,-99.0\r\n665,Thunderbird III,Male,brown,-,Black,175.0,Marvel  
 Comics,-,good,74.0\r\n666,Thunderstrike,Male,blue,-,Blond,198.0,Marvel  
 Comics,-,good,288.0\r\n667,Thundra,Female,green,-,Red,218.0,Marvel  
 Comics,-,good,158.0\r\n668,Tiger Shark,Male,grey,Human,No Hair,185.0,Marvel

Comics, grey, bad, 203.0\r\n669, Tigra, Female, green, -, Auburn, 178.0, Marvel  
Comics, -, good, 81.0\r\n670, Tinkerer, Male, brown, -, White, 163.0, Marvel Comics, -,  
, bad, 54.0\r\n671, Titan, Male, -, -, -, -99.0, HarperCollins, -, good, -  
99.0\r\n672, Toad, Male, black, Mutant, Brown, 175.0, Marvel  
Comics, green, neutral, 76.0\r\n673, Toxin, Male, blue, Symbiote, Brown, 188.0, Marvel  
Comics, -, good, 97.0\r\n674, Toxin, Male, black, Symbiote, Blond, 191.0, Marvel  
Comics, -, good, 117.0\r\n675, Tracy Strauss, Female, -, -, -, -99.0, NBC -  
Heroes, -, good, -99.0\r\n676, Trickster, Male, blue, Human, Blond, 183.0, DC  
Comics, -, -, 81.0\r\n677, Trigon, Male, yellow, God / Eternal, Black, -99.0, DC  
Comics, red, bad, -99.0\r\n678, Triplicate Girl, Female, purple, -, Brown, 168.0, DC  
Comics, -, good, 59.0\r\n679, Triton, Male, green, Inhuman, No Hair, 188.0, Marvel  
Comics, green, good, 86.0\r\n680, Two-Face, Male, -, -, -, 183.0, DC  
Comics, -, bad, 82.0\r\n681, Ultragirl, Female, blue, -, Blond, 168.0, Marvel  
Comics, -, good, 105.0\r\n682, Ultron, Male, red, Android, -, 206.0, Marvel  
Comics, silver, bad, 331.0\r\n683, Utgard-Loki, Male, blue, Frost  
Giant, White, 15.2, Marvel  
Comics, -, bad, 58.0\r\n684, Vagabond, Female, blue, -, Strawberry Blond, 168.0, Marvel  
Comics, -, good, 54.0\r\n685, Valerie Hart, Female, hazel, -, Black, 175.0, Team Epic  
TV, -, good, 56.0\r\n686, Valkyrie, Female, blue, -, Blond, 191.0, Marvel  
Comics, -, good, 214.0\r\n687, Vanisher, Male, green, -, No Hair, 165.0, Marvel Comics, -  
, bad, 79.0\r\n688, Vegeta, Male, -, Saiyan, Black, 168.0, Shueisha, -  
, bad, 73.0\r\n689, Venom, Male, blue, Symbiote, Strawberry Blond, 191.0, Marvel  
Comics, -, bad, 117.0\r\n690, Venom II, Male, brown, -, Black, 175.0, Marvel  
Comics, -, bad, 50.0\r\n691, Venom III, Male, brown, Symbiote, Brown, 229.0, Marvel  
Comics, -, bad, 334.0\r\n692, Venompool, Male, -, Symbiote, -, 226.0, Marvel  
Comics, -, -, -99.0\r\n693, Vertigo II, Female, blue, -, Silver, 168.0, Marvel  
Comics, -, good, 52.0\r\n694, Vibe, Male, brown, Human, Black, 178.0, DC  
Comics, -, good, 71.0\r\n695, Vindicator, Female, green, Human, Red, 165.0, Marvel  
Comics, -, good, 54.0\r\n696, Vindicator, Male, -, -, -, -99.0, Marvel  
Comics, -, good, -99.0\r\n697, Violator, Male, -, -, -, -99.0, Image  
Comics, -, bad, -99.0\r\n698, Violet Parr, Female, violet, Human, Black, 137.0, Dark Horse  
Comics, -, good, 41.0\r\n699, Vision, Male, gold, Android, No Hair, 191.0, Marvel  
Comics, red, good, 135.0\r\n700, Vision II, -, red, -, No Hair, 191.0, Marvel  
Comics, -, good, 135.0\r\n701, Vixen, Female, amber, Human, Black, 175.0, DC  
Comics, -, good, 63.0\r\n702, Vulcan, Male, black, -, Black, -99.0, Marvel  
Comics, -, good, -99.0\r\n703, Vulture, Male, brown, Human, No Hair, 180.0, Marvel  
Comics, -, bad, 79.0\r\n704, Walrus, Male, blue, Human, Black, 183.0, Marvel  
Comics, -, bad, 162.0\r\n705, War Machine, Male, brown, Human, Brown, 185.0, Marvel  
Comics, -, good, 95.0\r\n706, Warbird, Female, blue, -, Blond, 180.0, Marvel  
Comics, -, good, 54.0\r\n707, Warlock, Male, red, -, Blond, 188.0, Marvel  
Comics, -, good, 108.0\r\n708, Warp, Male, brown, -, Black, 173.0, DC  
Comics, -, bad, 67.0\r\n709, Warpath, Male, brown, Mutant, Black, 218.0, Marvel  
Comics, -, good, 158.0\r\n710, Wasp, Female, blue, Human, Auburn, 163.0, Marvel  
Comics, -, good, 50.0\r\n711, Watcher, Male, -, -, -, -99.0, Marvel  
Comics, -, good, -99.0\r\n712, Weapon XI, Male, -, -, -, -99.0, Marvel  
Comics, -, bad, -99.0\r\n713, White Canary, Female, brown, Human, Black, -99.0, DC  
Comics, -, bad, -99.0\r\n714, White Queen, Female, blue, -, Blond, 178.0, Marvel

```
Comics,-,good,65.0\r\n715,Wildfire,Male,-,-,-99.0,DC
Comics,-,good,-99.0\r\n716,Winter Soldier,Male,brown,Human,Brown,175.0,Marvel
Comics,-,good,117.0\r\n717,Wiz Kid,-,brown,-,Black,140.0,Marvel
Comics,-,good,39.0\r\n718,Wolfsbane,Female,green,-,Auburn,366.0,Marvel
Comics,-,good,473.0\r\n719,Wolverine,Male,blue,Mutant,Black,160.0,Marvel
Comics,-,good,135.0\r\n720,Wonder Girl,Female,blue,Demi-God,Blond,165.0,DC
Comics,-,good,51.0\r\n721,Wonder Man,Male,red,-,Black,188.0,Marvel
Comics,-,good,171.0\r\n722,Wonder Woman,Female,blue,Amazon,Black,183.0,DC
Comics,-,good,74.0\r\n723,Wondra,Female,-,-,-99.0,Marvel
Comics,-,good,-99.0\r\n724,Wyatt Wingfoot,Male,brown,-,Black,196.0,Marvel
Comics,-,good,117.0\r\n725,X-23,Female,green,Mutant / Clone,Black,155.0,Marvel
Comics,-,good,50.0\r\n726,X-Man,Male,blue,-,Brown,175.0,Marvel
Comics,-,good,61.0\r\n727,Yellow Claw,Male,blue,-,No Hair,188.0,Marvel
Comics,-,bad,95.0\r\n728,Yellowjacket,Male,blue,Human,Blond,183.0,Marvel
Comics,-,good,83.0\r\n729,Yellowjacket II,Female,blue,Human,Strawberry
Blond,165.0,Marvel Comics,-,good,52.0\r\n730,Ymir,Male,white,Frost Giant,No
Hair,304.8,Marvel Comics,white,good,-99.0\r\n731,Yoda,Male,brown,Yoda's
species,White,66.0,George
Lucas,green,good,17.0\r\n732,Zatanna,Female,blue,Human,Black,170.0,DC
Comics,-,good,57.0\r\n733,Zoom,Male,red,-,Brown,185.0,DC Comics,-,bad,81.0\r\n"}

```

```
[ ]: df = spark.read.csv("heroes_information.csv", header = True)
```

```
[ ]: df.show(10)
```

```
+---+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
|_c0|      name|Gender|Eye color|      Race|Hair color|Height|
Publisher|Skin color|Alignment|Weight|
+---+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
| 0|      A-Bomb|  Male|  yellow|      Human|  No Hair| 203.0|
Marvel Comics|      -|      good| 441.0|
| 1|  Abe Sapien|  Male|   blue|  Ichthyo Sapien|  No Hair| 191.0|Dark
Horse Comics|      blue|      good|  65.0|
| 2|   Abin Sur|  Male|   blue|      Ungaran|  No Hair| 185.0|
DC Comics|      red|      good|  90.0|
| 3| Abomination|  Male|  green|Human / Radiation|  No Hair| 203.0|
Marvel Comics|      -|      bad| 441.0|
| 4|   Abraxas|  Male|   blue|  Cosmic Entity|   Black| -99.0|
Marvel Comics|      -|      bad| -99.0|
| 5|Absorbing Man|  Male|   blue|      Human|  No Hair| 193.0|
Marvel Comics|      -|      bad| 122.0|
| 6|  Adam Monroe|  Male|   blue|      -|   Blond| -99.0|      NBC
- Heroes|      -|      good| -99.0|
| 7|  Adam Strange|  Male|   blue|      Human|   Blond| 185.0|
DC Comics|      -|      good|  88.0|

```

8	Agent 13	Female	blue	-	Blond	173.0
Marvel Comics	-	good	61.0			
9	Agent Bob	Male	brown	Human	Brown	178.0
Marvel Comics	-	good	81.0			

only showing top 10 rows

```
[ ]: df.filter(df.Gender == 'Male').count()
```

```
[ ]: 505
```

```
[ ]: df.filter(df.Gender == 'Female').count()
```

```
[ ]: 200
```

```
[ ]: df.filter(df.Race == 'Human').count()
```

```
[ ]: 208
```

```
[ ]: df.filter(df.Gender == 'Female').count()
```

```
[ ]: 200
```

```
[ ]: df.groupby("Race").count().show()
```

Race	count
Neyaphem	1
Symbiote	9
Kryptonian	7
Ungaran	1
Martian	1
Strontian	1
Human / Radiation	11
Kakarantharaian	1
Metahuman	2
Dathomirian Zabrak	1
Human / Cosmic	2
Xenomorph XX121	1
Animal	4
Frost Giant	2
Cyborg	11
Inhuman	4
God / Eternal	14
Yoda's species	1

```

|      Icthyo Sapien|      1|
|      Rodian|      1|
+-----+-----+
only showing top 20 rows

```

```
[ ]: df.groupby("Skin Color").count().show()
```

```

+-----+-----+
|      Skin Color|count|
+-----+-----+
|      orange|      1|
| blue-white|      1|
|      grey|      5|
|      green|     21|
|      yellow|      2|
|orange / white|      1|
|      silver|      5|
|      purple|      3|
|      white|      7|
|      gray|      1|
| red / black|      1|
|      pink|      2|
|      red|      9|
|      gold|      3|
|      -|    662|
|      black|      1|
|      blue|      9|
+-----+-----+

```

```
[ ]: from pyspark.sql.functions import *
```

```
[ ]: df1 = df.withColumn("Height",col("Height").cast("INTEGER"))
df1.printSchema()
```

```

root
|-- _c0: string (nullable = true)
|-- name: string (nullable = true)
|-- Gender: string (nullable = true)
|-- Eye color: string (nullable = true)
|-- Race: string (nullable = true)
|-- Hair color: string (nullable = true)
|-- Height: integer (nullable = true)
|-- Publisher: string (nullable = true)
|-- Skin color: string (nullable = true)
|-- Alignment: string (nullable = true)
|-- Weight: string (nullable = true)

```

```
[ ]: df1.groupBy("Publisher").avg("Height").show()
```

```
+-----+
|      Publisher|      avg(Height)|
+-----+
|      Rebellion|          188.0|
|    HarperCollins|         -99.0|
| J. R. R. Tolkien|          279.0|
|      Star Trek|          -5.5|
|    Marvel Comics|142.75257731958763|
|      Wildstorm|         -99.0|
|          NULL|          -2.4|
|    South Park|         -99.0|
|    Sony Pictures|          179.0|
|    Titan Books|          183.0|
|    ABC Studios|         -99.0|
|          SyFy|         -99.0|
|    Image Comics|-76.85714285714286|
|Universal Studios|         -99.0|
|    IDW Publishing|         -99.0|
|    NBC - Heroes|         -99.0|
|    Hanna-Barbera|         -99.0|
|      DC Comics| 91.06976744186046|
|    Microsoft|          213.0|
|    J. K. Rowling|         -99.0|
+-----+
```

only showing top 20 rows

```
[ ]: df.show()
df2 = df.withColumn("Is_Good",df.Alignment == "good")
df2.show()
```

```
+---+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
|_c0|      name|Gender|Eye color|      Race|Hair color|Height|
Publisher|Skin color|Alignment|Weight|
+---+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
| 0|      A-Bomb|  Male|  yellow|      Human|  No Hair| 203.0|
Marvel Comics|      -|    good| 441.0|
| 1|    Abe Sapien|  Male|   blue|  Icthyo Sapien|  No Hair| 191.0|Dark
Horse Comics|   blue|    good|  65.0|
| 2|    Abin Sur|  Male|   blue|      Ungaran|  No Hair| 185.0|
DC Comics|   red|    good|  90.0|
| 3|  Abomination|  Male|  green|Human / Radiation|  No Hair| 203.0|
```





DC Comics	red	good	90.0	true			
3	Abomination	Male	green	Human / Radiation	No Hair	203.0	
Marvel Comics	-	bad	441.0	false			
4	Abraxas	Male	blue	Cosmic Entity	Black	-99.0	
Marvel Comics	-	bad	-99.0	false			
5	Absorbing Man	Male	blue	Human	No Hair	193.0	
Marvel Comics	-	bad	122.0	false			
6	Adam Monroe	Male	blue	-	Blond	-99.0	
NBC - Heroes	-	good	-99.0	true			
7	Adam Strange	Male	blue	Human	Blond	185.0	
DC Comics	-	good	88.0	true			
8	Agent 13	Female	blue	-	Blond	173.0	
Marvel Comics	-	good	61.0	true			
9	Agent Bob	Male	brown	Human	Brown	178.0	
Marvel Comics	-	good	81.0	true			
10	Agent Zero	Male	-	-	-	191.0	
Marvel Comics	-	good	104.0	true			
11	Air-Walker	Male	blue	-	White	188.0	
Marvel Comics	-	bad	108.0	false			
12	Ajax	Male	brown	Cyborg	Black	193.0	
Marvel Comics	-	bad	90.0	false			
13	Alan Scott	Male	blue	-	Blond	180.0	
DC Comics	-	good	90.0	true			
14	Alex Mercer	Male	-	Human	-	-99.0	
Wildstorm	-	bad	-99.0	false			
15	Alex Woosly	Male	-	-	-	-99.0	
NBC - Heroes	-	good	-99.0	true			
16	Alfred Pennyworth	Male	blue	Human	Black	178.0	
DC Comics	-	good	72.0	true			
17	Alien	Male	-	Xenomorph XX121	No Hair	244.0	Dark
Horse Comics	black	bad	169.0	false			
18	Allan Quatermain	Male	-	-	-	-99.0	
Wildstorm	-	good	-99.0	true			
19	Amazo	Male	red	Android	-	257.0	
DC Comics	-	bad	173.0	false			

only showing top 20 rows

```
[ ]: df.createOrReplaceTempView("Hero")
spark.sql("SELECT name, `Eye color`, Gender FROM Hero WHERE `Eye color` =
↳ 'blue'").show()
```

name	Eye color	Gender
Abe Sapien	blue	Male

	Abin Sur	blue	Male
	Abraxas	blue	Male
	Absorbing Man	blue	Male
	Adam Monroe	blue	Male
	Adam Strange	blue	Male
	Agent 13	blue	Female
	Air-Walker	blue	Male
	Alan Scott	blue	Male
	Alfred Pennyworth	blue	Male
	Angel	blue	Male
	Animal Man	blue	Male
	Ant-Man	blue	Male
	Ant-Man II	blue	Male
	Anti-Venom	blue	Male
	Aquababy	blue	Male
	Aqualad	blue	Male
	Aquaman	blue	Male
	Arachne	blue	Female
	Archangel	blue	Male

+-----+-----+-----+

only showing top 20 rows

```
[ ]: spark.sql("SELECT Alignment, COUNT(name) AS name_count, COUNT(Gender) AS_
gender_count, COUNT(Publisher) AS publisher_count FROM Hero GROUP BY_
Alignment").show()
```

+-----+-----+-----+-----+
Alignment name_count gender_count publisher_count
+-----+-----+-----+-----+
neutral  24  24  24
bad  207  207  205
-  7  7  6
good  496  496  484
+-----+-----+-----+-----+