In [44]:
```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
```

In [56]:
```
df = pd.read_csv("BANKDATA.csv",sep=';')
```

In [57]:
```
df.head(3)
```

Out[57]:

	age	job	marital	education	default	housing	loan	contact	month	day_of_week	...	campaign	pdays	previous	poutcome	emp.var.rate	cons.price.idx	cons.conf.idx	euribor3m	nr.employed	y
0	56	housemaid	married	basic.4y	no	no	no	telephone	may	mon	...	1	999	0	nonexistent	1.1	93.994	-36.4	4.857	5191.0	no
1	57	services	married	high.school	unknown	no	no	telephone	may	mon	...	1	999	0	nonexistent	1.1	93.994	-36.4	4.857	5191.0	no
2	37	services	married	high.school	no	yes	no	telephone	may	mon	...	1	999	0	nonexistent	1.1	93.994	-36.4	4.857	5191.0	no

3 rows × 21 columns

In [58]:
```
df.isnull().sum()         #Checking Missing values
```

Out[58]:
```
age               0
job               0
marital           0
education         0
default           0
housing           0
loan              0
contact           0
month             0
day_of_week       0
duration          0
campaign          0
pdays             0
previous          0
poutcome          0
emp.var.rate      0
cons.price.idx    0
cons.conf.idx     0
euribor3m         0
nr.employed       0
y                 0
dtype: int64
```

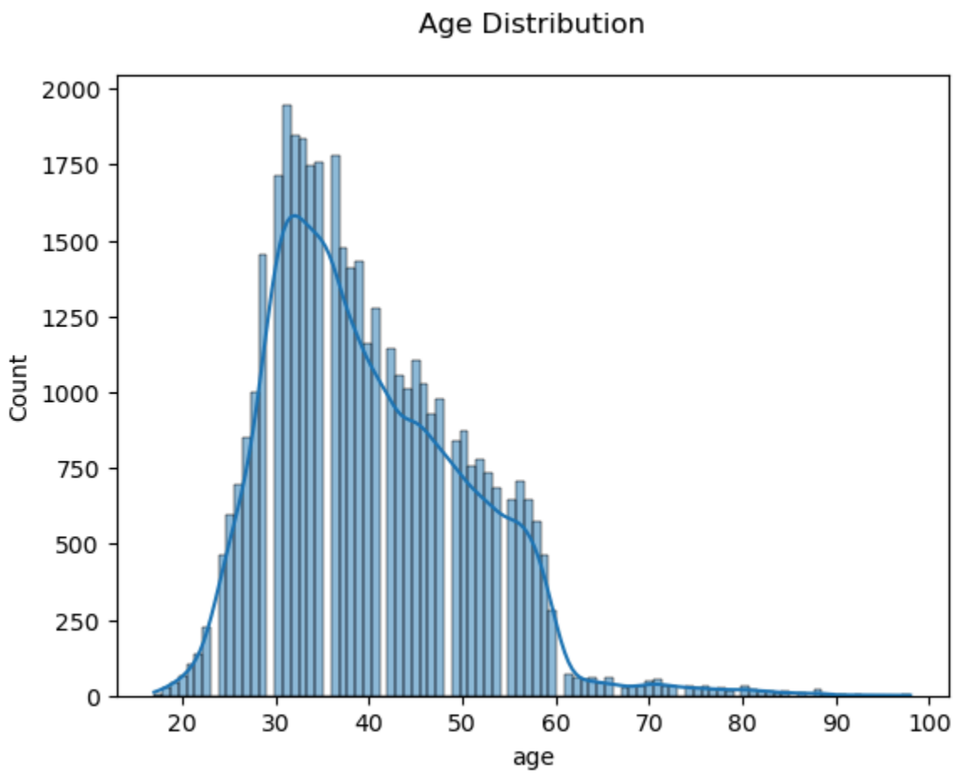
In [59]:
```
df[df.duplicated()]
```

Out[59]:

	age	job	marital	education	default	housing	loan	contact	month	day_of_week	...	campaign	pdays	previous	poutcome	emp.var.rate	cons.price.idx	cons.conf.idx	euribor3m	nr.employed	y
1266	39	blue-collar	married	basic.6y	no	no	no	telephone	may	thu	...	1	999	0	nonexistent	1.1	93.994	-36.4	4.855	5191.0	no
12261	36	retired	married	unknown	no	no	no	telephone	jul	thu	...	1	999	0	nonexistent	1.4	93.918	-42.7	4.966	5228.1	no
14234	27	technician	single	professional.course	no	no	no	cellular	jul	mon	...	2	999	0	nonexistent	1.4	93.918	-42.7	4.962	5228.1	no
16956	47	technician	divorced	high.school	no	yes	no	cellular	jul	thu	...	3	999	0	nonexistent	1.4	93.918	-42.7	4.962	5228.1	no
18465	32	technician	single	professional.course	no	yes	no	cellular	jul	thu	...	1	999	0	nonexistent	1.4	93.918	-42.7	4.968	5228.1	no
20216	55	services	married	high.school	unknown	no	no	cellular	aug	mon	...	1	999	0	nonexistent	1.4	93.444	-36.1	4.965	5228.1	no
20534	41	technician	married	professional.course	no	yes	no	cellular	aug	tue	...	1	999	0	nonexistent	1.4	93.444	-36.1	4.966	5228.1	no
25217	39	admin.	married	university.degree	no	no	no	cellular	nov	tue	...	2	999	0	nonexistent	-0.1	93.200	-42.0	4.153	5195.8	no
28477	24	services	single	high.school	no	yes	no	cellular	apr	tue	...	1	999	0	nonexistent	-1.8	93.075	-47.1	1.423	5099.1	no
32516	35	admin.	married	university.degree	no	yes	no	cellular	may	fri	...	4	999	0	nonexistent	-1.8	92.893	-46.2	1.313	5099.1	no
36951	45	admin.	married	university.degree	no	no	no	cellular	jul	thu	...	1	999	0	nonexistent	-2.9	92.469	-33.6	1.072	5076.2	yes
38281	71	retired	single	university.degree	no	no	no	telephone	oct	tue	...	1	999	0	nonexistent	-3.4	92.431	-26.9	0.742	5017.5	no

12 rows × 21 columns

In [60]:
```
sns.histplot(x="age", data=df, kde=True)
plt.title("Age Distribution\n")
plt.show()
```



In [ ]:

In [ ]: