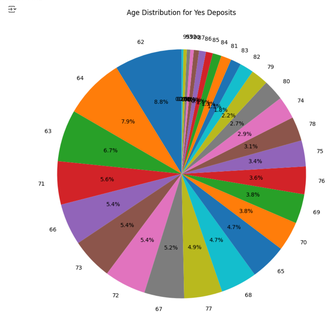

newdataframe

	x1. no	age	job	marital	education	default	balance	housing	loan	contact	day	month	campaign	pdays	previous	poutcome	deposited?
42146	42147	18	student	single	secondary	0	156	0	0	cellular	4	nov	2	82	4	other	0
40736	40737	18	student	single	primary	0	1944	0	0	telephone	10	aug	3	-1	0	unknown	0
40887	40888	18	student	single	primary	0	608	0	0	cellular	12	aug	1	-1	0	unknown	1
42274	42275	18	student	single	primary	0	608	0	0	cellular	13	nov	1	93	1	success	1
41252	41253	18	student	single	secondary	0	5	0	0	cellular	24	aug	2	-1	0	unknown	0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43194	43195	90	retired	divorced	primary	0	712	0	0	telephone	3	mar	1	-1	0	unknown	1
31069	31070	90	retired	divorced	secondary	0	1	0	0	cellular	13	feb	3	-1	0	unknown	1
31233	31234	94	retired	divorced	secondary	0	1234	0	0	cellular	3	mar	1	-1	0	unknown	0
41663	41664	95	retired	married	secondary	0	0	0	0	telephone	1	oct	1	-1	0	unknown	0
33699	33700	95	retired	divorced	primary	0	2282	0	0	telephone	21	apr	17	-1	0	unknown	1

43193 rows × 17 columns

```
import warnings
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np

# Suppress warnings
warnings.filterwarnings("ignore", category=FutureWarning)

# Ensure that the inline backend is used
%matplotlib inline

# Convert infinite values to NaN
newdataframe = newdataframe.replace([np.inf, -np.inf], np.nan)

# Generate pairplot
try:
    sns.pairplot(newdataframe, hue='deposited?', diag_kind='kde')
    plt.show()
except Exception as e:
    print("An error occurred while generating the pairplot:", e)
```



```
newdataframe.rename(columns = {'y':'deposited?'}, inplace = True)
```

```
newdataframe['default'] = newdataframe['default'].replace({'yes': 1, 'no': 0})
newdataframe = newdataframe.infer_objects(copy=False)
```

```
/tmp/ipykernel_38/1352293844.py:1: FutureWarning: Downcasting behavior in `replace` is deprecated and will be removed in a future version. To retain the old behavior, explicitly call `result.infer_objects(copy=False)`. To opt-in to the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
  newdataframe['default'] = newdataframe['default'].replace({'yes': 1, 'no': 0})
```

```
newdataframe['deposited?'] = newdataframe['deposited?'].replace({'yes': 1, 'no': 0})
newdataframe = newdataframe.infer_objects(copy=False)
```

```
/tmp/ipykernel_38/3631666609.py:1: FutureWarning: Downcasting behavior in `replace` is deprecated and will be removed in a future version. To retain the old behavior, explicitly call `result.infer_objects(copy=False)`. To opt-in to the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
  newdataframe['deposited?'] = newdataframe['deposited?'].replace({'yes': 1, 'no': 0})
```

```
newdataframe['housing'] = newdataframe['housing'].replace({'yes': 1, 'no': 0})
newdataframe = newdataframe.infer_objects(copy=False)
```

```
/tmp/ipykernel_38/2618373991.py:1: FutureWarning: Downcasting behavior in `replace` is deprecated and will be removed in a future version. To retain the old behavior, explicitly call `result.infer_objects(copy=False)`. To opt-in to the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
  newdataframe['housing'] = newdataframe['housing'].replace({'yes': 1, 'no': 0})
```

```
newdataframe['loan'] = newdataframe['loan'].replace({'yes': 1, 'no': 0})
newdataframe = newdataframe.infer_objects(copy=False)
```

```
/tmp/ipykernel_38/3300114452.py:1: FutureWarning: Downcasting behavior in `replace` is deprecated and will be removed in a future version. To retain the old behavior, explicitly call `result.infer_objects(copy=False)`. To opt-in to the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
  newdataframe['loan'] = newdataframe['loan'].replace({'yes': 1, 'no': 0})
```

newdataframe