

```
===== RESTART: C:/clg notes sec/SEM 3/task 3.py =====
```

```
Dataset Preview:
```

	age	job	marital	education	...	pdays	previous
poutcome	y						
0	30	unemployed	married	primary	...	-1	0
unknown	no						
1	33	services	married	secondary	...	339	4
failure	no						
2	35	management	single	tertiary	...	330	1
failure	no						
3	30	management	married	tertiary	...	-1	0
unknown	no						
4	59	blue-collar	married	secondary	...	-1	0
unknown	no						

```
[5 rows x 17 columns]
```

```
Dataset Information:
```

```
<class 'pandas.core.frame.DataFrame'>
```

Data columns (total 17 columns):

#	Column	Non-Null Count		Dtype
0	age	4521	non-null	int64
1	job	4521	non-null	object
2	marital	4521	non-null	object
3	education	4521	non-null	object
4	default	4521	non-null	object
5	balance	4521	non-null	int64
6	housing	4521	non-null	object
7	loan	4521	non-null	object
8	contact	4521	non-null	object
9	day	4521	non-null	int64
10	month	4521	non-null	object
11	duration	4521	non-null	int64
12	campaign	4521	non-null	int64
13	pdays	4521	non-null	int64
14	previous	4521	non-null	int64
15	poutcome	4521	non-null	object

```
dtypes: int64(7), object(10)
memory usage: 600.6+ KB
None
```

```
Accuracy Score:
0.8968312453942521
```

Classification Report:

	precision	recall	f1-score	support
False	0.92	0.97	0.94	1205
True	0.57	0.34	0.42	152
accuracy			0.90	1357
macro avg	0.74	0.65	0.68	1357
weighted avg	0.88	0.90	0.88	1357

```
Confusion Matrix:
```


None

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Confusion Matrix:

```
[[1166   39]
 [ 101   51]]
```

