



```
In [68]: import pandas as pd

from sklearn.model_selection import train_test_split

from sklearn.linear_model import LogisticRegression
from sklearn.neighbors import KNeighborsClassifier
from sklearn import svm
from sklearn.tree import DecisionTreeClassifier
from sklearn.ensemble import RandomForestClassifier
from sklearn.ensemble import GradientBoostingClassifier
from xgboost import XGBClassifier

from sklearn.model_selection import GridSearchCV
from sklearn.model_selection import RandomizedSearchCV

from sklearn.metrics import accuracy_score, r2_score, precision_score, recall_score

import pickle
import joblib
```

```
In [2]: import warnings
warnings.filterwarnings('ignore')
```

```
In [3]: dataset = pd.read_csv('Placement.csv')
dataset.shape
```

```
Out[3]: (215, 15)
```

```
In [4]: dataset.head()
```

```
Out[4]:
```

	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex	etest_p	etest_b	etest_s
0	1	0	67.00	Others	91.00	Others	Commerce	58.00	Sci&Tech	No	5	Others	Commerce
1	2	0	79.33	Central	78.33	Others	Science	77.48	Sci&Tech	Yes	8	Others	Science
2	3	0	65.00	Central	68.00	Central	Arts	64.00	Comm&Mgmt	No	7	Central	Arts
3	4	0	56.00	Central	52.00	Central	Science	52.00	Sci&Tech	No	6	Central	Science
4	5	0	85.80	Central	73.60	Central	Commerce	73.30	Comm&Mgmt	No	9	Central	Commerce

```
In [5]: dataset.tail()
```

```
Out[5]:
```

	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex	etest_p	etest_b	etest_s
210	211	0	80.6	Others	82.0	Others	Commerce	77.6	Comm&Mgmt	No	5	Others	Commerce
211	212	0	58.0	Others	60.0	Others	Science	72.0	Sci&Tech	No	5	Others	Science
212	213	0	67.0	Others	67.0	Others	Commerce	73.0	Comm&Mgmt	Yes	5	Others	Commerce
213	214	1	74.0	Others	66.0	Others	Commerce	58.0	Comm&Mgmt	No	5	Others	Commerce
214	215	0	62.0	Central	58.0	Others	Science	53.0	Comm&Mgmt	No	5	Others	Science

```
In [6]: print('Number of Rows:',dataset.shape[0])
print('Number of Columns:',dataset.shape[1])
```

Number of Rows: 215
Number of Columns: 15

```
In [7]: dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 215 entries, 0 to 214
Data columns (total 15 columns):
#   Column                Non-Null Count  Dtype
---  -
0   sl_no                  215 non-null    int64
1   gender                 215 non-null    int64
2   ssc_p                  215 non-null    float64
3   ssc_b                  215 non-null    object
4   hsc_p                  215 non-null    float64
5   hsc_b                  215 non-null    object
6   hsc_s                  215 non-null    object
7   degree_p               215 non-null    float64
8   degree_t               215 non-null    object
9   workex                 215 non-null    object
10  etest_p                215 non-null    float64
11  specialisation         215 non-null    object
12  mba_p                  215 non-null    float64
13  status                 215 non-null    object
14  salary                 148 non-null    float64
dtypes: float64(6), int64(2), object(7)
memory usage: 25.3+ KB
```

```
In [8]: dataset.isnull().sum()
```

```
Out[8]: sl_no          0
gender          0
ssc_p          0
ssc_b          0
hsc_p          0
hsc_b          0
hsc_s          0
degree_p       0
degree_t       0
workex         0
etest_p        0
specialisation 0
mba_p          0
status         0
salary        67
dtype: int64
```

```
In [9]: dataset.isna().sum()
```

```
Out[9]: sl_no          0
gender          0
ssc_p          0
ssc_b          0
hsc_p          0
hsc_b          0
hsc_s          0
degree_p       0
degree_t       0
workex         0
etest_p        0
specialisation 0
mba_p          0
status         0
salary        67
dtype: int64
```

```
In [10]: dataset.duplicated().sum()
```

```
Out[10]: 0
```

```
In [11]: dataset.describe()
```

```
Out[11]:
```

	sl_no	gender	ssc_p	hsc_p	degree_p	etest_p	mba_p	
count	215.000000	215.000000	215.000000	215.000000	215.000000	215.000000	215.000000	
mean	108.000000	0.353488	67.303395	66.333163	66.370186	72.100558	62.278186	288
std	62.209324	0.479168	10.827205	10.897509	7.358743	13.275956	5.833385	93
min	1.000000	0.000000	40.890000	37.000000	50.000000	50.000000	51.210000	200
25%	54.500000	0.000000	60.600000	60.900000	61.000000	60.000000	57.945000	240
50%	108.000000	0.000000	67.000000	65.000000	66.000000	71.000000	62.000000	265
75%	161.500000	1.000000	75.700000	73.000000	72.000000	83.500000	66.255000	300
max	215.000000	1.000000	89.400000	97.700000	91.000000	98.000000	77.890000	940

```
In [12]: dataset.corr()
```

```
Out[12]:
```

	sl_no	gender	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
sl_no	1.000000	-0.074306	-0.078155	-0.085711	-0.088281	0.063636	0.022327	0.063764
gender	-0.074306	1.000000	0.068969	0.021334	0.173217	-0.084294	0.300531	-0.158912
ssc_p	-0.078155	0.068969	1.000000	0.511472	0.538404	0.261993	0.388478	0.035330
hsc_p	-0.085711	0.021334	0.511472	1.000000	0.434206	0.245113	0.354823	0.076819
degree_p	-0.088281	0.173217	0.538404	0.434206	1.000000	0.224470	0.402364	-0.019272
etest_p	0.063636	-0.084294	0.261993	0.245113	0.224470	1.000000	0.218055	0.178307
mba_p	0.022327	0.300531	0.388478	0.354823	0.402364	0.218055	1.000000	0.175013
salary	0.063764	-0.158912	0.035330	0.076819	-0.019272	0.178307	0.175013	1.000000

```
In [13]: dataset.columns
```

```
Out[13]: Index(['sl_no', 'gender', 'ssc_p', 'ssc_b', 'hsc_p', 'hsc_b', 'hsc_s',
            'degree_p', 'degree_t', 'workex', 'etest_p', 'specialisation', 'mba_
            p',
            'status', 'salary'],
            dtype='object')
```

```
In [14]: dataset['status'].unique()
```

```
Out[14]: array(['Placed', 'Not Placed'], dtype=object)
```

```
In [15]: dataset['status'].value_counts()
```

```
Out[15]: Placed      148
         Not Placed   67
         Name: status, dtype: int64
```

```
In [16]: dataset[(dataset['degree_t']=='Sci&Tech') & (dataset['status']=='Placed')].sc
```

```
Out[16]:
```

	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex	etest_p
150	151	0	71.00	Central	58.66	Central	Science	58.00	Sci&Tech	Yes	56.00
77	78	0	64.00	Others	80.00	Others	Science	65.00	Sci&Tech	Yes	69.00
163	164	0	63.00	Others	67.00	Others	Science	64.00	Sci&Tech	No	75.00
174	175	0	73.24	Others	50.83	Others	Science	64.27	Sci&Tech	Yes	64.00
53	54	0	80.00	Others	70.00	Others	Science	72.00	Sci&Tech	No	87.00
39	40	0	81.00	Others	68.00	Others	Science	64.00	Sci&Tech	No	93.00
145	146	0	89.40	Others	65.66	Others	Science	71.25	Sci&Tech	No	72.00
128	129	0	80.40	Central	73.40	Central	Science	77.72	Sci&Tech	Yes	81.20
24	25	0	76.50	Others	97.70	Others	Science	78.86	Sci&Tech	No	97.40
70	71	0	82.00	Others	61.00	Others	Science	62.00	Sci&Tech	No	89.00
22	23	1	69.80	Others	60.80	Others	Science	72.23	Sci&Tech	No	55.53

```
In [17]: dataset = dataset.drop(['sl_no', 'salary'],axis=1)
```

```
In [18]: dataset['ssc_b'].unique()
Out[18]: array(['Others', 'Central'], dtype=object)

In [19]: dataset['ssc_b'] = dataset['ssc_b'].map({'Central':1,'Others':0})

In [20]: dataset['hsc_b'].unique()
Out[20]: array(['Others', 'Central'], dtype=object)

In [21]: dataset['hsc_b'] = dataset['hsc_b'].map({'Central':1,'Others':0})

In [22]: dataset['hsc_s'].unique()
Out[22]: array(['Commerce', 'Science', 'Arts'], dtype=object)

In [23]: dataset['hsc_s'] = dataset['hsc_s'].map({'Science':2,'Commerce':1,'Arts':0})

In [24]: dataset['degree_t'].unique()
Out[24]: array(['Sci&Tech', 'Comm&Mgmt', 'Others'], dtype=object)

In [25]: dataset['degree_t'] = dataset['degree_t'].map({'Sci&Tech':2,'Comm&Mgmt':1,'Others':0})

In [26]: dataset['specialisation'].unique()
Out[26]: array(['Mkt&HR', 'Mkt&Fin'], dtype=object)

In [27]: dataset['specialisation'] = dataset['specialisation'].map({'Mkt&HR':1,'Mkt&Fin':2})

In [28]: dataset['workex'].unique()
Out[28]: array(['No', 'Yes'], dtype=object)

In [29]: dataset['workex'] = dataset['workex'].map({'Yes':1,'No':0})

In [30]: dataset['status'].unique()
Out[30]: array(['Placed', 'Not Placed'], dtype=object)

In [31]: dataset['status'] = dataset['status'].map({'Placed':1,'Not Placed':0})

In [32]: dataset.head(11)
```

Out[32]:

	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex	etest_p	specialisat
0	0	67.00	0	91.00	0	1	58.00	2	0	55.00	
1	0	79.33	1	78.33	0	2	77.48	2	1	86.50	
2	0	65.00	1	68.00	1	0	64.00	1	0	75.00	
3	0	56.00	1	52.00	1	2	52.00	2	0	66.00	
4	0	85.80	1	73.60	1	1	73.30	1	0	96.80	
5	0	55.00	0	49.80	0	2	67.25	2	1	55.00	
6	1	46.00	0	49.20	0	1	79.00	1	0	74.28	
7	0	82.00	1	64.00	1	2	66.00	2	1	67.00	
8	0	73.00	1	79.00	1	1	72.00	1	0	91.34	
9	0	58.00	1	70.00	1	1	61.00	1	0	54.00	
10	0	58.00	1	61.00	1	1	60.00	1	1	62.00	

In [33]:

```
X = dataset.drop('status',axis=1)
y = dataset['status']
```

In [34]:

```
X_train,X_test,y_train,y_test = train_test_split(X,y,test_size=0.20,random_st
```

In [35]:

```
lr = LogisticRegression()
lr.fit(X_train,y_train)

svm = svm.SVC()
svm.fit(X_train,y_train)

knn = KNeighborsClassifier()
knn.fit(X_train,y_train)

dt = DecisionTreeClassifier()
dt.fit(X_train,y_train)

rf = RandomForestClassifier()
rf.fit(X_train,y_train)

gb = GradientBoostingClassifier()
gb.fit(X_train,y_train)

xg = XGBClassifier()
xg.fit(X_train,y_train)
```

Out[35]:

```
▼ XGBClassifier
eval_metric=None, gamma=0, gpu_id=-1, grow_policy='depthwis
e',
importance_type=None, interaction_constraints='',
learning_rate=0.300000012, max_bin=256, max_cat_to_onehot=
4,
max_delta_step=0, max_depth=6, max_leaves=0, min_child_weig
ht=1,
missing=nan, monotone_constraints='()', n_estimators=100,
n_jobs=0, num_parallel_tree=1, predictor='auto', random_sta
te=0,
reg_alpha=0, reg_lambda=1, ...)
```

In [36]:

```
y_pred_1 = lr.predict(X_test)
y_pred_2 = svm.predict(X_test)
y_pred_3 = knn.predict(X_test)
y_pred_4 = dt.predict(X_test)
y_pred_5 = rf.predict(X_test)
y_pred_6 = gb.predict(X_test)
y_pred_7 = xg.predict(X_test)
```

In [37]:

```
score_1 = accuracy_score(y_test,y_pred_1)
score_2 = accuracy_score(y_test,y_pred_2)
score_3 = accuracy_score(y_test,y_pred_3)
score_4 = accuracy_score(y_test,y_pred_4)
score_5 = accuracy_score(y_test,y_pred_5)
score_6 = accuracy_score(y_test,y_pred_6)
score_7 = accuracy_score(y_test,y_pred_7)
```

In [38]:

```
print(score_1,score_2,score_3,score_4,score_5,score_6,score_7)

0.8837209302325582 0.7674418604651163 0.7906976744186046 0.8372093023255814
0.7906976744186046 0.8372093023255814 0.8372093023255814
```

In [39]:

```
r_score_1 = r2_score(y_test,y_pred_1)
r_score_2 = r2_score(y_test,y_pred_2)
r_score_3 = r2_score(y_test,y_pred_3)
r_score_4 = r2_score(y_test,y_pred_4)
r_score_5 = r2_score(y_test,y_pred_5)
r_score_6 = r2_score(y_test,y_pred_6)
r_score_7 = r2_score(y_test,y_pred_7)
```

In [40]:

```
print(r_score_1,r_score_2,r_score_3,r_score_4,r_score_5,r_score_6,r_score_7)

0.422043010752688 -0.15591397849462396 -0.04032258064516148 0.19086021505376
327 -0.04032258064516148 0.19086021505376327 0.19086021505376327
```

In [41]:

```
p_score_1 = precision_score(y_test,y_pred_1)
p_score_2 = precision_score(y_test,y_pred_2)
p_score_3 = precision_score(y_test,y_pred_3)
p_score_4 = precision_score(y_test,y_pred_4)
p_score_5 = precision_score(y_test,y_pred_5)
p_score_6 = precision_score(y_test,y_pred_6)
p_score_7 = precision_score(y_test,y_pred_7)
```

```
In [42]: print(p_score_1,p_score_2,p_score_3,p_score_4,p_score_5,p_score_6,p_score_7)
0.90625 0.7837837837837838 0.7894736842105263 0.9 0.8055555555555556 0.85294
11764705882 0.8529411764705882
```

```
In [43]: rc_score_1 = recall_score(y_test,y_pred_1)
rc_score_2 = recall_score(y_test,y_pred_2)
rc_score_3 = recall_score(y_test,y_pred_3)
rc_score_4 = recall_score(y_test,y_pred_4)
rc_score_5 = recall_score(y_test,y_pred_5)
rc_score_6 = recall_score(y_test,y_pred_6)
rc_score_7 = recall_score(y_test,y_pred_7)
```

```
In [44]: print(rc_score_1,rc_score_2,rc_score_3,rc_score_4,rc_score_5,rc_score_6,rc_score_7)
0.9354838709677419 0.9354838709677419 0.967741935483871 0.8709677419354839
0.9354838709677419 0.9354838709677419 0.9354838709677419
```

```
In [47]: decision_tree = DecisionTreeClassifier(random_state=42)

params = {
    'criterion':('gini','entropy'),
    'splitter':('best','random'),
    'max_depth':(list(range(1,20))),
    'min_samples_split':[2,3,4],
    'min_samples_leaf':list(range(1,20))}

tree_cv = GridSearchCV(decision_tree,params,scoring='accuracy',n_jobs=-1,verbose=1)
tree_cv.fit(X_train,y_train)
```

Fitting 3 folds for each of 4332 candidates, totalling 12996 fits

```
Out[47]: > GridSearchCV
> estimator: DecisionTreeClassifier
    > DecisionTreeClassifier
```

```
In [53]: dt_y_pred = tree_cv.predict(X_test)
```

```
In [54]: accuracy_score(y_test,dt_y_pred)
```

```
Out[54]: 0.6976744186046512
```

```
In [55]: precision_score(y_test,dt_y_pred)
```

```
Out[55]: 0.7647058823529411
```

```
In [56]: r2_score(y_test,dt_y_pred)
```

```
Out[56]: -0.5026881720430112
```

```
In [57]: recall_score(y_test,dt_y_pred)
```

```
Out[57]: 0.8387096774193549
```



```
In [58]: rf_clf_best_params = RandomForestClassifier(n_estimators=200,
                                                    min_samples_split=5,
                                                    min_samples_leaf=8,
                                                    max_features='auto',
                                                    max_depth=None,
                                                    bootstrap=False)

rf_clf_best_params.fit(X_train,y_train)
```

```
Out[58]: ▼                                RandomForestClassifier
RandomForestClassifier(bootstrap=False, max_features='auto', min_samples_
leaf=8,
                        min_samples_split=5, n_estimators=200)
```

```
In [59]: rf_y_pred = rf_clf_best_params.predict(X_test)
```

```
In [60]: r2_score(y_test,rf_y_pred)
```

```
Out[60]: 0.07526881720430079
```

```
In [61]: accuracy_score(y_test,rf_y_pred)
```

```
Out[61]: 0.813953488372093
```

```
In [62]: precision_score(y_test,rf_y_pred)
```

```
Out[62]: 0.8285714285714286
```

```
In [63]: param_grid = {'gamma': [0,0.1,0.2,0.4,0.8,1.6,3.2,6.4,12.8,25.6,51.2,102.4,204.8],
                        'learning_rate': [0.01, 0.03, 0.06, 0.1, 0.15, 0.2, 0.25, 0.30],
                        'max_depth': [5,6,7,8,9,10,11,12,13,14],
                        'n_estimators': [50,65,80,100,115,130,150],
                        'reg_alpha': [0,0.1,0.2,0.4,0.8,1.6,3.2,6.4,12.8,25.6,51.2,102.4,204.8],
                        'reg_lambda': [0,0.1,0.2,0.4,0.8,1.6,3.2,6.4,12.8,25.6,51.2,102.4,204.8]}

xgb = XGBClassifier(random_state=15,verbosity=0,silent=0)
rcv = RandomizedSearchCV(estimator=xgb, scoring='accuracy',param_distributions=param_grid,
                        verbose=1, random_state=15, n_jobs=-1)

rcv.fit(X_train,y_train)
```

Fitting 3 folds for each of 100 candidates, totalling 300 fits

```
Out[63]: ► RandomizedSearchCV
          ► estimator: XGBClassifier
            ► XGBClassifier
```

```
In [64]: rcv_y_pred = rcv.predict(X_test)
```

```
In [65]: r2_score(y_test,rcv_y_pred)
```

Out[65]: -0.04032258064516148

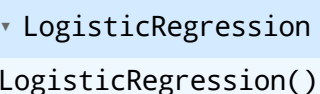
```
In [66]: accuracy_score(y_test,rcv_y_pred)
```

Out[66]: 0.7906976744186046

```
In [67]: precision_score(y_test,rcv_y_pred)
```

Out[67]: 0.8055555555555556

```
In [74]: lr = LogisticRegression()  
lr.fit(X,y)
```

Out[74]:  LogisticRegression()

```
In [75]: pickle.dump(lr,open('model_campus_placement.pkl','wb'))
```

```
In [76]: model = pickle.load(open('model_campus_placement.pkl','rb'))
```

```
In [77]: new_data = pd.DataFrame({  
    'gender':0,  
    'ssc_p':67.0,  
    'ssc_b':0,  
    'hsc_p':91.0,  
    'hsc_b':0,  
    'hsc_s':1,  
    'degree_p':58.0,  
    'degree_t':2,  
    'workex':0,  
    'etest_p':55.0,  
    'specialisation':1,  
    'mba_p':58.8,  
    },index=[0])
```

```
In [79]: p = lr.predict(new_data)  
  
prob = lr.predict_proba(new_data)  
if p == 1:  
    print('Placed!')  
    print(f'You will be Placed! with Probability of {prob[0][1]:.2f}')else:  
    print('Not-placed!')
```

Placed!
You will be Placed! with Probability of 0.96

```
In [81]: model.predict(new_data)
```

Out[81]: array([1], dtype=int64)

```
In [82]: joblib.dump(lr,'model_campus_placement.job')
```

Out[82]: ['model_campus_placement.job']

```
In [84]: model_job = joblib.load('model_campus_placement.job')
```

```
In [85]: model_job.predict(new_data)
```

```
Out[85]: array([1], dtype=int64)
```

```
In [92]: from tkinter import *
import joblib
import numpy as np
from sklearn import *
import tkinter.font as font
import pandas as pd

def show_entry_fields():

    text = clicked.get()
    if text == "Male":
        p1=1
        print(p1)
    else:
        p1=0
        print(p1)
    p2=float(e2.get())
    text = clicked1.get()
    if text == "Central":
        p3=1
        print(p3)
    else:
        p3=0
        print(p3)
    p4=float(e4.get())
    text = clicked6.get()
    if text == "Central":
        p5=1
        print(p3)
    else:
        p5=0
        print(p3)
    text = clicked2.get()
    if text == "Science":
        p6=2
        print(p6)
    elif text == "Commerce":
        p6=1
        print(p6)
    else:
        p6=0
        print(p6)
    p7=float(e7.get())
    text = clicked3.get()
    if text == "Sci&Tech":
        p8=2
        print(p8)
    elif text=="Comm&Mgmt":
        p8=1
        print(p8)
    else:
        p8=0
```

```

        print(p8)
text = clicked4.get()
if text == "Yes":
    p9=1
    print(p3)
else:
    p9=0
    print(p3)
p10=float(e10.get())
text = clicked5.get()
if text == "Mkt&HR":
    p11=1
    print(p11)
else:
    p11=0
    print(p11)
p12=float(e12.get())

model = joblib.load('model_campus_placement.job')
new_data = pd.DataFrame({
    'gender':p1,
    'ssc_p':p2,
    'ssc_b':p3,
    'hsc_p':p4,
    'hsc_b':p5,
    'hsc_s':p6,
    'degree_p':p7,
    'degree_t':p8,
    'workex':p9,
    'etest_p':p10,
    'specialisation':p11,
    'mba_p':p12,
},index=[0])
result=model.predict(new_data)
result1=model.predict_proba(new_data)

if result[0] == 0:
    Label(master, text="Can't Placed").grid(row=31)
else:
    Label(master, text="Student Will be Placed With Probability of",font=
    Label(master, text=round(result1[0][1],2)*100,font=("Arial", 15)).gr
    Label(master, text="Percent",font=("Arial", 15)).grid(row=34)

master = Tk()
master.title("Campus Placement Prediction System")

label = Label(master, text = "Campus Placement Prediction System"
               , bg = "pink", fg = "white",font=("Arial", 20)) \
               .grid(row=0,columnspan=2)

Label(master, text="Gender",font=("Arial", 15)).grid(row=1)
Label(master, text="Secondary Education percentage- 10th Grade",font=("Arial",
Label(master, text="Board of Education",font=("Arial", 15)).grid(row=3)
Label(master, text="Higher Secondary Education percentage- 12th Grade",font=
Label(master, text="Board of Education",font=("Arial", 15)).grid(row=5)
Label(master, text="Specialization in Higher Secondary Education",font=("Ari
Label(master, text="Degree Percentage",font=("Arial", 15)).grid(row=7)
Label(master, text="Under Graduation(Degree type)- Field of degree education'

```

```

Label(master, text="Work Experience",font=("Arial", 15)).grid(row=9)
Label(master, text="Enter test percentage",font=("Arial", 15)).grid(row=10)
Label(master, text="branch specialization",font=("Arial", 15)).grid(row=11)
Label(master, text="MBA percentage",font=("Arial", 15)).grid(row=12)
clicked = StringVar()
options = ["Male","Female"]

clicked1 = StringVar()
options1 = ["Central","Others"]

clicked2 = StringVar()
options2 = ["Science","Commerce","Arts"]

clicked3 = StringVar()
options3 = ["Sci&Tech","Comm&Mgmt","Others"]

clicked4 = StringVar()
options4 = ["Yes","No"]

clicked5 = StringVar()
options5 = ["Mkt&HR","Mky&Fin"]


clicked6 = StringVar()
options6 = ["Central","Others"]
e1 = OptionMenu(master , clicked , *options )
e1.configure(width=13)
e2 = Entry(master)
e3 = OptionMenu(master , clicked1 , *options1 )
e3.configure(width=13)
e4 = Entry(master)
e5 = OptionMenu(master , clicked6 , *options6)
e5.configure(width=13)
e6 = OptionMenu(master , clicked2 , *options2)
e6.configure(width=13)
e7 = Entry(master)
e8 = OptionMenu(master , clicked3 , *options3)
e8.configure(width=13)
e9 = OptionMenu(master , clicked4 , *options4)
e9.configure(width=13)
e10 = Entry(master)
e11 = OptionMenu(master , clicked5 , *options5)
e11.configure(width=13)
e12 = Entry(master)

e1.grid(row=1, column=1)
e2.grid(row=2, column=1)
e3.grid(row=3, column=1)
e4.grid(row=4, column=1)
e5.grid(row=5, column=1)
e6.grid(row=6, column=1)
e7.grid(row=7, column=1)
e8.grid(row=8, column=1)
e9.grid(row=9, column=1)
e10.grid(row=10, column=1)
e11.grid(row=11, column=1)
e12.grid(row=12, column=1)
buttonFont = font.Font(family='Helvetica', size=16, weight='bold')
Button(master, text='Predict',height= 1, width=8,activebackground='#00ff00',

```

```
mainloop()
```

```
1
1
1
2
2
1
1
```

 Campus Placement Prediction System

Campus Placement Prediction System

Gender	<input type="text" value="Male"/>
Secondary Education percentage- 10th Grade	<input type="text" value="67.0"/>
Board of Education	<input type="text" value="Central"/>
Higher Secondary Education percentage- 12th Grade	<input type="text" value="91.0"/>
Board of Education	<input type="text" value="Central"/>
Specialization in Higher Secondary Education	<input type="text" value="Science"/>
Degree Percentage	<input type="text" value="58.0"/>
Under Graduation(Degree type)- Field of degree education	<input type="text" value="Sci&Tech"/>
Work Experience	<input type="text" value="No"/>
Enter test percentage	<input type="text" value="55.0"/>
branch specialization	<input type="text" value="Mkt&HR"/>
MBA percentage	<input type="text" value="58.8"/>
<input type="button" value="Predict"/>	
Student Will be Placed With Probability of	
91.0	
Percent	

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PRASADMJADHAV2