

Author: Miguel Juarez

System Libraries:

```
<iostream>
<iomanip>
<fstream>
<ctime>
<cstdlib>
<vector>
```

Local Constant:

```
const int WIN_POINTS =
10;
const int
MAX_GUESSES = 26;
```

//Function Prototypes

```
void choosingword(int&, string&, string[],
vector<int>&);
void gameplay(string&, int, int&, char, char[], int&,
vector<int>&);
bool againORexit();
void selSort(string[], vector<int>&);
```

main():

```
//Set a random number:
srand (static_cast<int>(time(0)));
```

```
//Chose Words bounds
int chWrd = (rand() % 10) + 1;
```

```
// Declare Variables
string usrNm;
string outWrd;
int lives;
string usrWrds[MAX_GUESSES];
vector<int> scores;
char usrLtr;
string gsWrd;
char agn;
lives = 5;
char ltrsGs[MAX_GUESSES];
int numGs = 0;
```

```
// Open file
ofstream wrdBnk("nameNpoints.txt", ios::app);
```

do{

end do
loop;

numGs = 0;

```
choosingword(chWrd,
gsWrdm usrWrds,
scores)
```

function1

```
//Read names to file
ifstream rdWrdsifstream
rdWrds("nameNpoints.txt");
```

```
// Name to keep score
cout << "Enter your name: ";
cin >> usrNm;
```

```
gameplay(gsWrd,
chWrd, lives, usrLtr,
ltrsGs, numGs, scores);
```

function2

```
int pts = (lives == 0) ? 0 :
WIN_POINTS;
```

if (lives == 0)

```
cout << "Game over! You ran
out of lives. The word was: " <<
gsWrd << endl;
```

pts += 0;

while (rdWrds >>
usrNm)

cont

```
cout << usrNm << setw(2) << "
has won " << WIN_POINTS << "
points!" << endl;
```

```
pts +=
WIN_POINTS;
```

```
scores.push_back(pts);
cout<<endl;
```





