

Transitioning into the workforce

Wellington Analytics Forum

May 2015

Ernestynne Walsh

```
public static void main(String []args){  
    /* create a new successful grad from the class graduate */  
    Graduate successfulGrad = new Graduate( "Bob" );  
  
    /* Get work experience before you finish */  
    successfulGrad.getInternship( );  
  
}
```

```
public static void main(String []args){  
    /* create a new successful grad from the class graduate */  
    Graduate successfulGrad = new Graduate( "Bob" );  
  
    /* Get work experience before you finish */  
    successfulGrad.getInternship( );  
  
    /* Figure out what you would like to do before you finish */  
    successfulGrad.setCareerFocus( "analytics" );  
  
}
```

```
public static void main(String []args){  
    /* create a new successful grad from the class graduate */  
    Graduate successfulGrad = new Graduate( "Bob" );  
  
    /* Get work experience before you finish */  
    successfulGrad.getInternship( );  
  
    /* Figure out what you would like to do before you finish */  
    successfulGrad.setCareerFocus( "analytics" );  
  
    /* Learn to convey complex ideas, simply to an audience */  
    successfulGrad.getPresenting( );  
  
}
```

```
public static void main(String []args){  
    /* create a new successful grad from the class graduate */  
    Graduate successfulGrad = new Graduate( "Bob" );  
  
    /* Get work experience before you finish */  
    successfulGrad.getInternship( );  
  
    /* Figure out what you would like to do before you finish */  
    successfulGrad.setCareerFocus( "analytics" );  
  
    /* Learn to convey complex ideas, simply to an audience */  
    successfulGrad.getPresenting( );  
  
    /* Meet people and engage with the community */  
    successfulGrad.startNetworking( );  
  
}
```

```
public static void main(String []args){  
    /* create a new successful grad from the class graduate */  
    Graduate successfulGrad = new Graduate( "Bob" );  
  
    /* Get work experience before you finish */  
    successfulGrad.getInternship( );  
  
    /* Figure out what you would like to do before you finish */  
    successfulGrad.setCareerFocus( "analytics" );  
  
    /* Learn to convey complex ideas, simply to an audience */  
    successfulGrad.getPresenting( );  
  
    /* Meet people and engage with the community */  
    successfulGrad.startNetworking( );  
  
    /* Fill gaps in your skills */  
    successfulGrad.addMissingSkills( );  
  
}
```

```
public static void main(String []args){
    /* create a new successful grad from the class graduate */
    Graduate successfulGrad = new Graduate( "Bob" );

    /* Get work experience before you finish */
    successfulGrad.getInternship( );

    /* Figure out what you would like to do before you finish */
    successfulGrad.setCareerFocus( "analytics" );

    /* Learn to convey complex ideas, simply to an audience */
    successfulGrad.getPresenting( );

    /* Meet people and engage with the community */
    successfulGrad.startNetworking( );

    /* Fill gaps in your skills */
    successfulGrad.addMissingSkills( );

    /* Have the above and you will have no trouble getting a job */
    System.out.println("You've got what it takes " + successfulGrad.gradName);
}
```

```
successful_grads <- regressionImp(work_experience ~ communication +  
                                  projects +  
                                  references,  
                                  data = graduates)
```

```
proc sql;  
  connect to teradata (user=userid password=password mode=teradata);  
  create table successful_graduates as  
    select * from connection to teradata (  
      select a.*  
        from base.graduates a  
        where a.skills = 10  
              and a.work_experience = 'Y'  
    );  
  disconnect from teradata;  
quit;
```


$$H(\mathbf{x}^{(k)})\Delta\mathbf{x} = -\nabla f(\mathbf{x}^{(k)}) \quad (1)$$

vs

$$D_{k+1} \leftarrow D_k + \left(1 + \frac{\mathbf{q}^T D_k \mathbf{q}}{\mathbf{p}^T \mathbf{q}}\right) \frac{\mathbf{p}\mathbf{p}^T}{\mathbf{p}^T \mathbf{q}} - \frac{D_k \mathbf{q}\mathbf{p}^T}{\mathbf{p}^T \mathbf{q}} - \frac{\mathbf{p}\mathbf{q}^T D_k}{\mathbf{p}^T \mathbf{q}} \quad (2)$$

where

$$\mathbf{p} = \mathbf{x}^{(k+1)} - \mathbf{x}^{(k)}$$

$$\mathbf{q} = \nabla f(\mathbf{x}^{(k+1)}) - \nabla f(\mathbf{x}^{(k)})$$