**Test Assignment:**

**Ans-1:**

**Select C.empname, C.salary from**

**(Select a.empname, b.salary, row\_number () over ( partition by a.empid order by b.salary asc) as salary\_asc**

**From employee as A**

**Left join salary as B on a.empid = b.empid ) as C**

**Where C.salary\_asc = n**

**Ans-2:**

**Update salary**

**Set salary =5000**

**Where empid**

**In**

**(**

**Select a.empid**

**From employee as A**

**Where datepart(year,getdate()) - datepart(year,a.date\_of\_birth) > 30 or (datepart(year,getdate()) - datepart(year,a.date\_of\_birth)= 30 and datepart(month,getdate()) - datepart(month,a.date\_of\_birth) > 0 or (datepart(month,getdate()) - datepart(month,a.date\_of\_birth) = 0 and datepart(day,getdate()) - datepart(day,a.date\_of\_birth) >= 0))**

**)**

**Ans -3:**

class PrimeNumber

{

public static void main(String args[])

{

int n;

int status = 1;

int num = 3;

System.out.println("First 100 prime numbers are:");

System.out.println(2);

for ( int i = 2 ; i <=100 ; )

{

for ( int j = 2 ; j <= Math.sqrt(num) ; j++ )

{

if ( num%j == 0 )

{

status = 0;

break;

}

}

if ( status != 0 )

{

System.out.println(num);

i++;

}

status = 1;

num++;

}

}

}

**Ans-4:**

**Test cases for the Apply Promo Code**

1. To verify that (NEW30 )coupon code is applying only for the New users not for the existing users.
2. To verify that applying the coupon code all in small letter for the new users.. Then It should be showing the proper error message”Coupon code is invalid.”
3. To verify that NEW30 coupon should be only applying for the order amount of 1000 or more than 1000INR.
4. To verify that the coupon NEW30 is not applying for the less than 1000 order amount.
5. To verify that new user account, the coupon should be visible in to the view offers page.(assumptions)
6. To verify that, the checkout payment page (Payment ) summary like INR 1000(base price)+ INR 25 shipping + 18% GST, If user applied the coupon that discount **(INR300)** should be deducted all total amount.
7. To verify that, the checkout payment page (Payment ) summary like INR 1000(base price)+ INR 25 shipping + 18% GST, If user applied the coupon that discount **(INR300)** should be not be deducted from the base price.
8. To verify that, the checkout page, payment summary like **INR X (base price)+ INR 25 shipping + 18% GST**, If user removes the discount coupons **(NEW30)** then the discount will not be shown **.**
9. To verify that, the checkout page, payment summary like **INR X (base price)+ INR 25 shipping + 18% GST,** If user applied the coupon that discount **(NEW30)** should be working for all the mode of payment like (**debit card and net banking, Wallets and credit card).**
10. To verify that. If we change the item or price in the checkout page then the base price should be changed and applied tax, shipping charge and discount amount of coupons should be changed accordingly**.**
11. To verify that, the checkout page payment summary like **INR X (base price)+ INR 25 shipping + 18% GST, (ex-Rs3004)**.Once clicked on pay now button it should not be shown different price**(ex-3050).(In case not applied the discount coupon.)**
12. To verify that, the checkout page payment summary like INR **X (base price)+ INR 25 shipping + 18% GST, (ex-Rs3004).**After click on pay now button it should not be shown different price**(ex-3050).(In case applied the discount coupons.)**
13. To verify that, the checkout payment **page (Payment ) summary like INR X (base price)+ INR 25 shipping + 18% GST**, If user applied the discount coupon **(INR100)** should be deducted only in I**NX X(base price) (Total cart amount ex-10000).** After clicking on pay now button it should not be shown different price**(ex-10050)** and it should not be applicable on **different cards.**
14. To verify that, the checkout payment **page (Payment ) summary like INR X (base price)+ INR 25 shipping + 18% GST**, If user applied the discount coupon **(INR100)** should be deducted only in I**NX X(base price) (Total cart amount ex-10000).** After clicking on pay now button it should not be shown different price **(ex-10050)** and it should be applied only on **HDFC bank cards.**
15. To verify that **Name on Card, Card Number, Expiration date,CVV** are mandatory fields in the Payment Page
16. To verify that error message is displayed when user enter invalid input in all the mandatory field in the Payment Page.
17. To verify that error message is displayed when user leaves any one of the mandatory fields in the Payment Page.