Lab Assignment 5

1) read a;
   read v;
   read c;
   if [$a -gt $v]
   then
        if [$a -gt $c]
        then
          echo $a
        else
         echo $c
        fi
   else
        if [$v -gt $c]
        then
           echo $v
        else
           echo $c
        fi
   fi

2)echo `ls -F | grep -v /| wc -l`

3) i=1
   until [$i -gt 10]
    do
       echo $i
       i=`expr $i + 1`
    done

4)read x;
   user=`whoami`
   if ["$user" = "$x"]
   then
        echo "Correct User"

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    else
        echo "Incorrect User"
    fi

5)echo "" > employee.txt
    ch="y"
    while [ "$ch" = "y" ]
    do
        read name;
        read grade;
        read salary;
        echo $name","$grade","$salary >> employee.txt
        read ch;
    done



6)read a;
    case $a in

        1)
                echo "Hello yourself!"
                ;;
        2)
                echo "See you again!"
                break
                ;;
        *)
                echo "Sorry, I don't understand"
                ;;
    esac

7)read FILE;
    if [ -f "$FILE" ];
    then
        echo "File $FILE exist."
    else
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```
        echo "File $FILE does not exist"
    fi


8)read n;
 ls -l| grep  $n | sed -E -e 's/[[:blank:]]+/\n/g' | head -n1


9)read n;
  i=0
    sum=0
  while [ $i -lt $n ]
  do
    read s;
    sum=`expr $sum + $s`
    i=`expr $i + 1`
  done
  echo $sum

10)awk '{}
     sum+=$8;
     END{print sum}' emp.txt

11)read src
     read targ
     cp $src $targ

12)i=0
    n=1
    while [ "$i" -lt 10 ]
     do
        echo $n
        n=`expr $n + 2`
        i=`expr $i + 1`
     done
```

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13)read a;
   n=1
    fact=1
   while [ "$n" -le "$a" ]
  do


      fact=`echo $(($fact*$n))`
       n=`expr $n + 1`
  done
    echo $fact

14)read n;
  sum=0
   while [ $n -gt 0 ]
   do
     r=`expr $n % 10`
     n=`expr $n / 10`
      sum=`expr $sum + $r`
   done
   echo $sum



15)read n;
   q=0
    r=1
    echo $q
    echo $r
    while [ $n -gt 2 ]
   do
     d=$r
     r=`expr $r + $q`
     q=$d
      n=`expr $n - 1`
      echo $r
  done
```

```
16)read n;
     r=0
 while [ $n -gt 0 ]
 do
    q=$(($n % 10))
    w=$(($r * 10))
     r=`expr $q + $w`
     n=$(($n/10))
done
echo $r
```

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