

Sequence Practice Problems

1. Use Random Function ((RANDOM)) to get Single Digit
2. Use Random to get Dice Number between 1 to 6
3. Add two Random Dice Number and Print the Result
4. Write a Program that reads 5 Random 2 Digit values, then find their sum and the average
5. Unit Conversation
 - a. 1ft=12in then 42in =? ft
 - b. Rectangular Plot of 60 feet x 40 feet in meters
 - c. Calculate area of 25 such plots in acres

Solve:

1)

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#!/bin/bash -x
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Random=$(( RANDOM%10 ))
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Echo $Random
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2)#!/bin/bash -x

```
Dice=$((RANDOM%6) + 1)
```

```
Echo $dice
```

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3)#!/bin /bash -x

```
Dice1=$(( (RANDOM%6) + 1 ))
```

```
Dice2=$(( (RANDOM%6) + 1 ))
```

```
Dice=$(( $Dice1 + $Dice2 ))
```

```
Echo $Dice
```

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4)#!/bin/bash -x

Dice=$(( (RANDOM%100) + 10 ))

Dice1=$(( (RANDOM%100) + 10 ))

Dice2=$(( (RANDOM%100) + 10 ))

Dice3=$(( (RANDOM%100) +10 ))

Diec4=$(( (RANDOM%100) +10 ))

Echo $Dice

Echo $Dice1

Echo $Dice2

Echo $Dice3

Echo $Dice4

Sum=$(( $Dice + $Dice1 + $Dice2 + $Dice3 + $Dice4 ))

Avg=$((echo $sum /5 ))

Echo"The sum of 5 RANDOM digit:"$sum

Echo"The average of 5 RANDOM digit:"$avg

5)

a)

#!/bin/bash -x

Echo"enter a number to be converted:"

Read number

Feet=$(( $number*12))

Inches=$(( $number/12))

Echo "feet conversation to inches:" $feet

Echo "inches conversation to feet:" $inches

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b) #!/bin/bash -x

#Rectangular plot of 60feet *40feet in matter

Echo "Enter the plot 1 feet of rectangle:"

Read one

Echo "Enter the plot 2 feet of rectangle:"

Read two

Plot1=\$((\$One * \$two))

Plot=\$((\$plot1 * 12))

Echo "Total plt conversation in inch:" \$plot

c)#!/bin/bash -x

#Calculate area of 25 such plots in acres

Echo "Enter the width of plot in feet:"

Read width

Echo "Enter the heigh pf of plot in feet:"

Read heigh

"width * heigh of plot of 1 is :"

Plot1=\$((\$width * \$heigh))

"Convert into inch of 1 plot:"

Plot1=\$((\$plot *12))

Echo "One complete plot in inch:" \$plot1

Plot25=\$((\$plot *25))

Echo "total plot 25 are:" \$plot25

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