

5/12/22.

paperism
Date:

1) shell script to print the combinations of 1 2 3

```
for i in 1 2 3
do
  for j in 1 2 3
  do
    for k in 1 2 3
    do
      echo "$i $j $k"
    done
  done
done
```

output :

1 1 1	3 2 3
1 1 2	3 3 1
1 1 3	3 3 2
1 2 1	3 3 3
1 2 2	
1 2 3	
1 3 1	
1 3 2	
1 3 3	
2 1 1	
2 1 2	
2 1 3	
2 2 1	
2 2 2	
2 2 3	
2 3 1	
2 3 2	
2 3 3	
3 1 1	
3 1 2	
3 1 3	
3 2 1	
3 2 2	

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2) shell script to display the pass class of a student.

```
echo "Enter marks obtained by the student:"
read mark
if [ $mark -gt 80 ]
then
  echo "Distinction"
elif [ $mark -gt 70 ] && [ $mark -lt 90 ]
then
  echo "First class"
elif [ $mark -gt 60 ] && [ $mark -lt 80 ]
then
  echo "second class"
elif [ $mark -gt 35 ] && [ $mark -lt 70 ]
then
  echo "Pass"
else
  echo "Fail"
fi
```

Output : enter marks obtained by the student
78
second class.

3) shell script to find the Fibonacci series upto n

```
echo "Enter number:"
read n
a=0
b=1
echo -n "$a $b"
i=2
while [ $i -lt $n ]
do
  c='expr $a + $b'
  echo -n "$c"
```

a = db

b = \$c

i = 'expr \$i + 1'

done

Output : enter number = 6

6

0 1 1 2 3 5

10

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