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Subject:- Perl Lab

Experiment no.7

Aim:- Edit, Compile , and execute a program to create three dimensional array and perform the following:

a)Insert Array.

b)Delete array element at particular position.

Input:-

```
@arr=([["Dasgaon ","Mahad  ","Pali "],
    ["Mumbai ","Pune ","Roha"],
    ["Raigad","Maharashtra ","India"]],
    [[28  ,9 ,4],
    [24 ,8  ,4],
    [4 ,4 ,25]],
    [["Range Rover Velar ","Fortuner Legender ","Audi A6"],
     ["BMW X6 ","Lamborghini Urus ","Mustang GT"],
     ["Mahindra Thar ","Porsche 900GT ","Mercedes Benz"]]);

print "The current element of array are:\n";
for($i=0;$i<3;$i++){
$l=$i+1;
print"Array $l:\n";
for($j=0;$j<3;$j++){
for($k=0;$k<3;$k++){
print"$arr[$i][$j][$k]";
}
print"\n";
}
print"\n";
}


pop(@{$arr[0][2]});
pop(@{$arr[1][2]});
```

```perl
pop(@{$arr[2][2]});
print "The current element of array after deletion:\n";
for($i=0;$i<3;$i++){
$l=$i+1;
print"Array $1:\n";
for($j=0;$j<3;$j++){
for($k=0;$k<3;$k++){
print"$arr[$i][$j][$k]";
}
print"\n";
}
print"\n";
}

push(@{$arr[0][2]},"Banglore");
push(@{$arr[1][2]},"2824");
push(@{$arr[2][2]},"Mercedes C-220D");
print "The current element of array after insertion:\n";
for($i=0;$i<3;$i++){
$l=$i+1;
print"Array $1:\n";
for($j=0;$j<3;$j++){
for($k=0;$k<3;$k++){
print"$arr[$i][$j][$k]";
}
print"\n";
}
print"\n";
}
@arr1=("Yamaha FZ ","Kawasaki Ninja H2R ","Royal Enfield Continental 600GT");
@arr2=("Jeep ","Sedan ","SUV");
@arr3=("Chicken Biryani ","Chicken Shwarma ","Chicken Chilli");
splice(@{$arr[0][2]},0,3,@arr1);
splice(@{$arr[1][2]},0,3,@arr2);
splice(@{$arr[2][2]},0,3,@arr3);
print "The current element of array after Updating:\n";
for($i=0;$i<3;$i++){
$l=$i+1;
print"Array $1:\n";
```
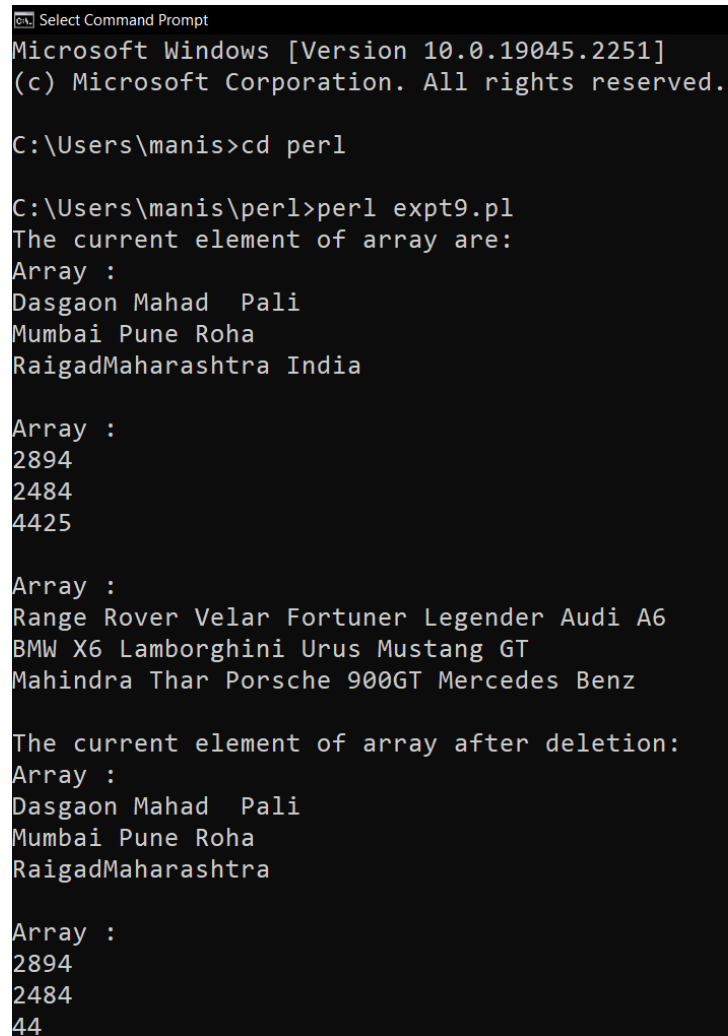
```perl
for($j=0;$j<3;$j++){
for($k=0;$k<3;$k++){
print"$arr[$i][$j][$k]";
}
print"\n";
}
print"\n";
}
```

Output:-

```
Select Command Prompt

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Mahindra Thar Porsche 900GT

The current element of array after insertion:
Array :
Dasgaon Mahad  Pali
Mumbai Pune Roha
RaigadMaharashtra Banglore

Array :
2894
2484
442824

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Mahindra Thar Porsche 900GT Mercedes C-220D

The current element of array after Updating:
Array :
Dasgaon Mahad  Pali
Mumbai Pune Roha
Yamaha FZ Kawasaki Ninja H2R Royal Enfield Continental 600GT

Array :
2894
2484
Jeep Sedan SUV

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Chicken Biryani Chicken Shwarma Chicken Chilli


C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)