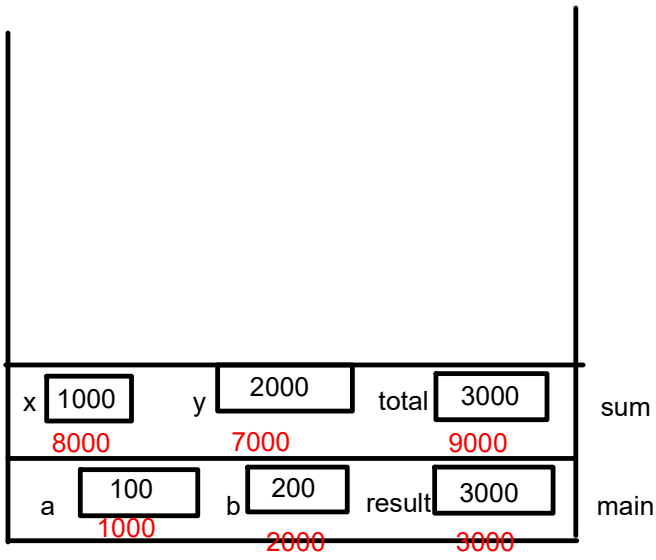
01 March 2024 11:25 AM

output:
addition is 300

```
int main(int argc, char *argv[]) {
      int sum(int,int);
       int a,b;
       int result;

        a=100;
        b=200;
       result=  sum(a,b);300

       printf("\naddition is  %d",result);
       result=sum(1000,2000);
       printf("\nsum=%d",result);
      return 0;
}
int sum(int x,int y)
{
   int total;
   total=x+y;
        return total;
}
```



step1 --> function get pushed in memory stack & TOP is pointing to that function(sum)
step2--> memory get allocated into memory stack for all local variables (inside variable and arguments of function)