Assignment 3 :

Source Code:

```python
def knapSack(W, wt, val, n):
    dp = [0 for i in range(W+1)]
    for i in range(1, n+1):
        for w in range(W, 0, -1):
            if wt[i-1] <= w:
                dp[w] = max(dp[w], dp[w-wt[i-1]]+val[i-1])
    return dp[W]
val = [60, 100, 120]
wt = [10, 20, 30]
W = 50
n = len(val)
print(knapSack(W, wt, val, n))
```

Output :

220