

Toss – Functions :

Functions	Parameter	Description
checkPlayerExists	address	Checks in the user array whether the user is registered or not(i.e whether he has placed a bet or not in the current event)
bet	uint256	Validate that a player has only bet once and the bet amount is more than min value,Store data of number selected and bet amount of each individual player in an array,Transfer all the amount bet in smart contract address
totalteambet	uint256	Display the collective amount bet on a particular number(given as input argument) by all users.
distributePrizes	uint256	Transfer 2% of total bet collected in address of smart contract's owner and distribute remaining amount among all the winners.
del		This function will be called after the event is over.It will delete all the information stored during the event(Amount bet and number selected by each player)
ref		This function will transfer back all the amount collected to individual user. I.e This function will be called if there is a need to refund back all the amount collected

Other Info :

- 1) Owner's share from total amount collected as bet is 2%.This value is hardcoded and fixed.
- 2) The player info is stored in struct named Player.It has 2 uint256 parameters.
 - i) amountBet - Amount bet by user
 - ii) numberSelected - The number on which user has bet his ether amount.

